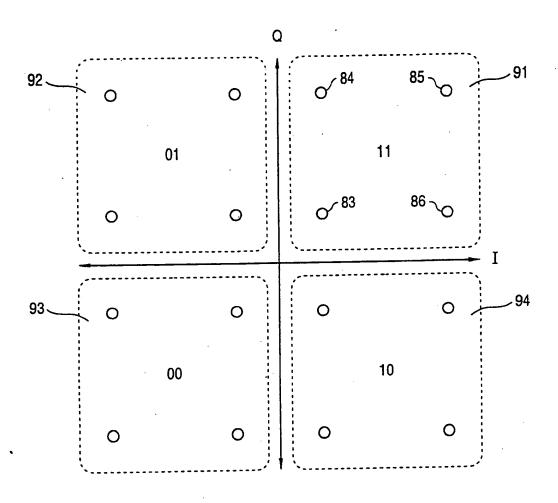


FIG. 5

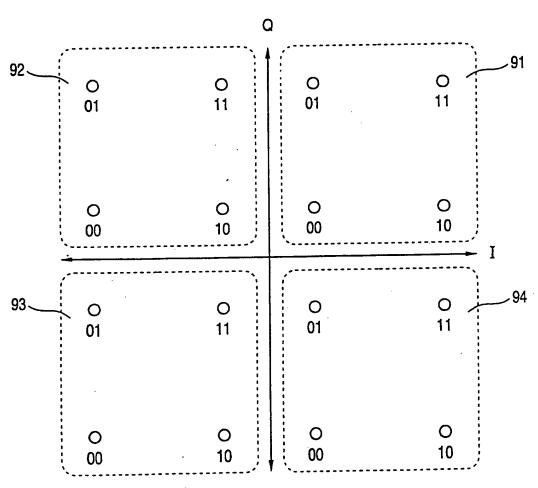
FIG. 6

Sheet 6 of 178



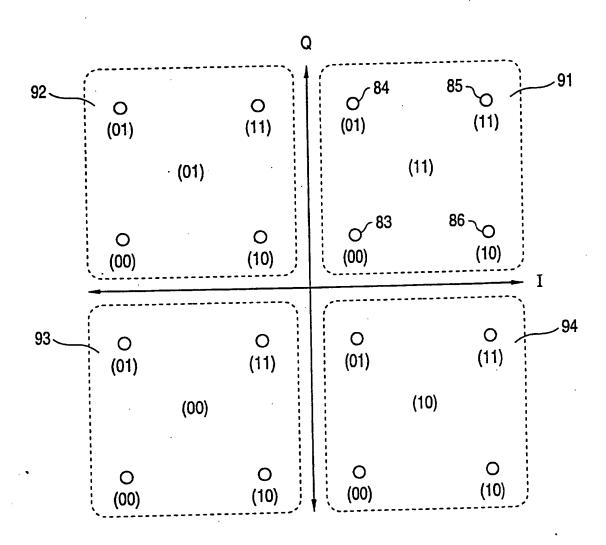
Feb. 4, 1997

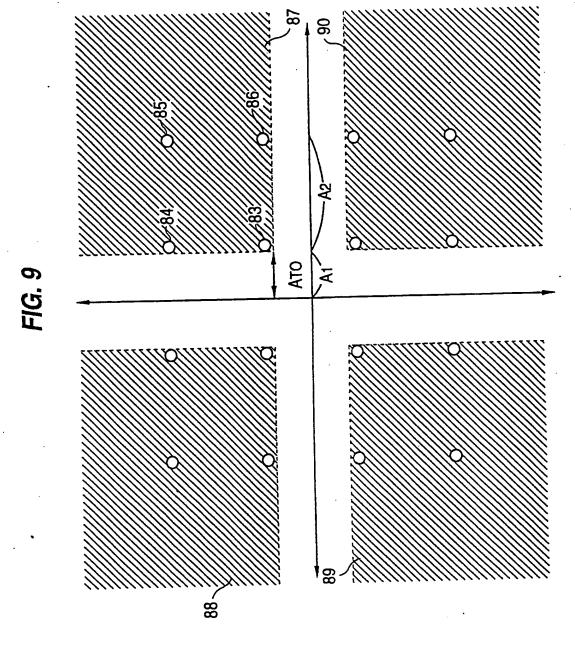
FIG. 7



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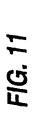
FIG. 8

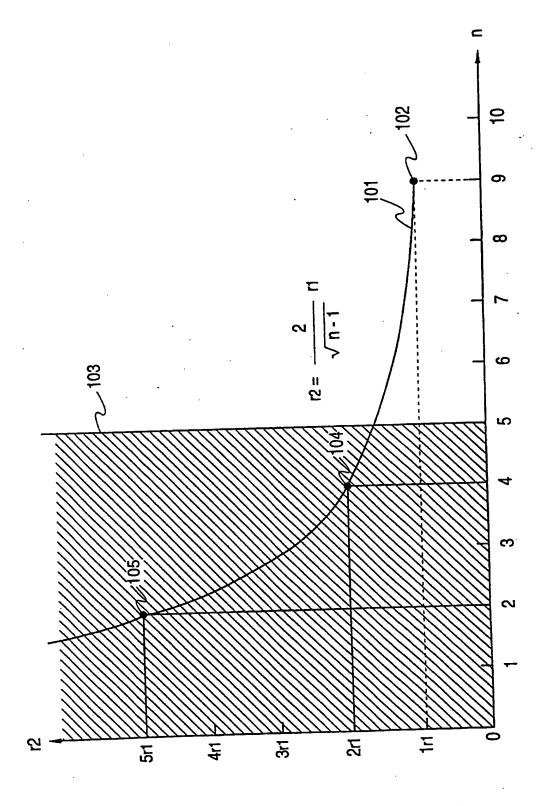




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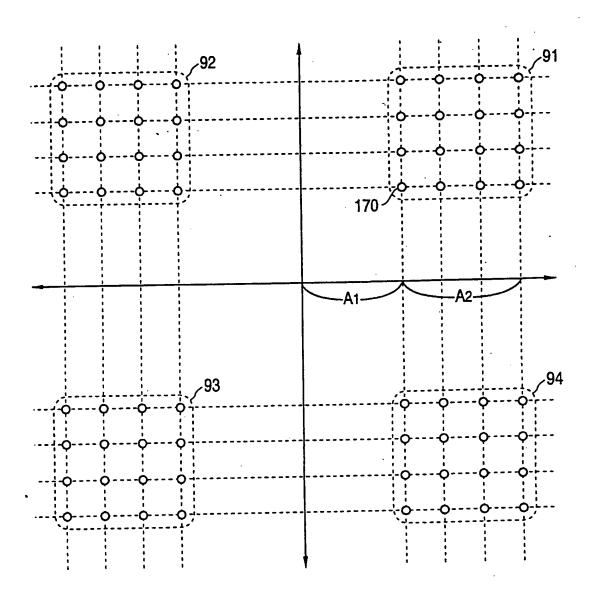
FIG. 10 A(16) 96 B₂ A(4) 95 Bi 93

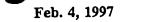


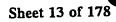


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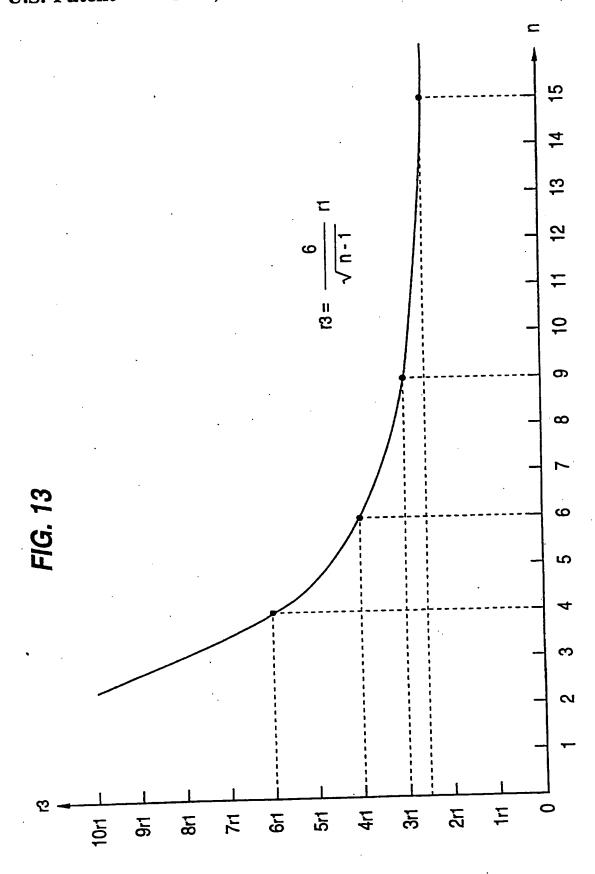
FIG. 12

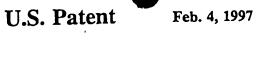






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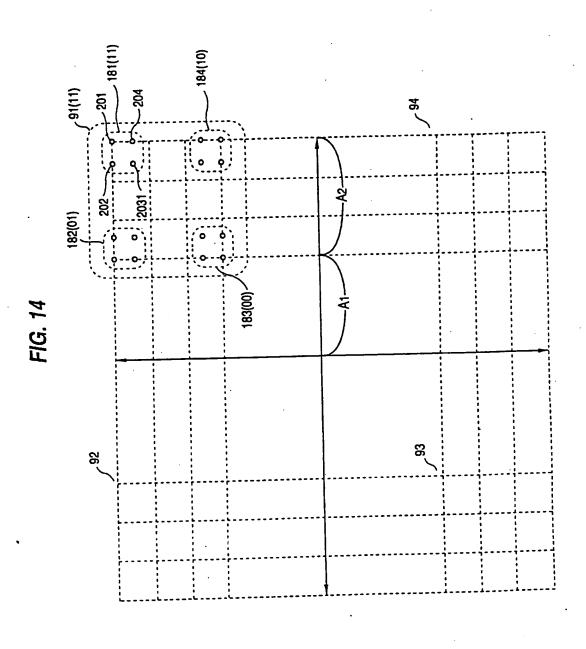
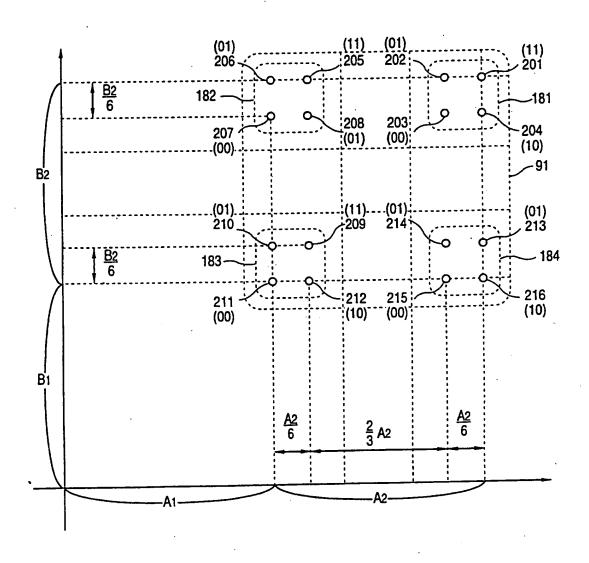
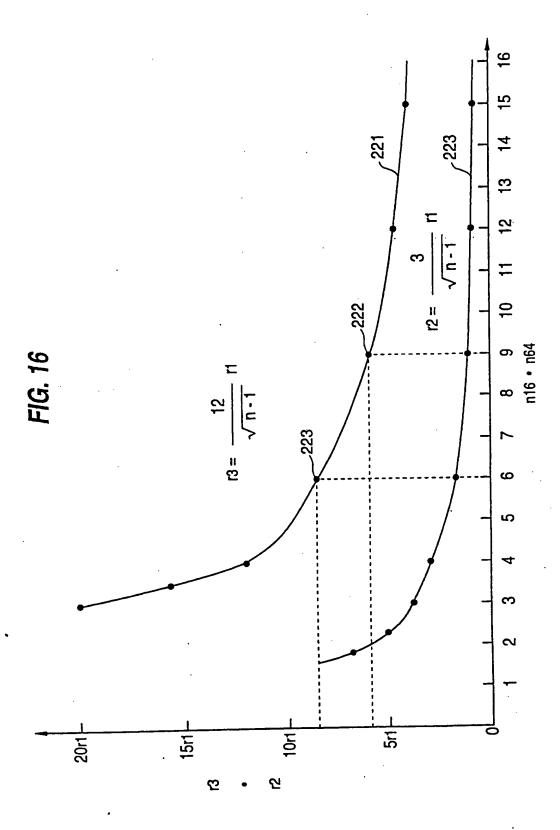
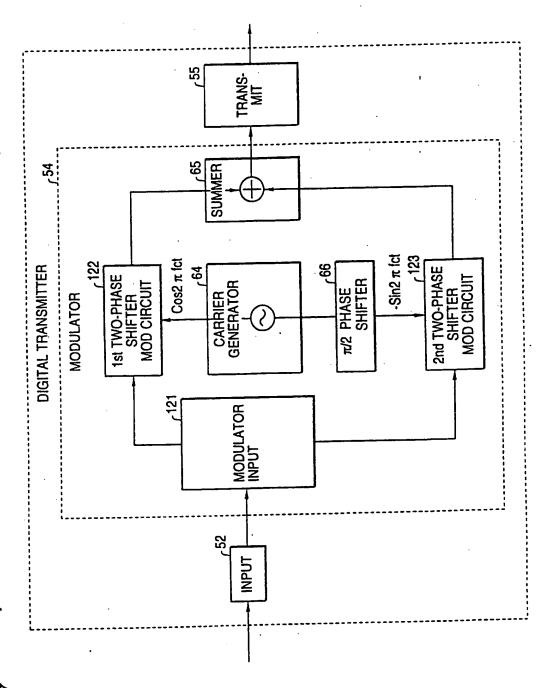


FIG. 15

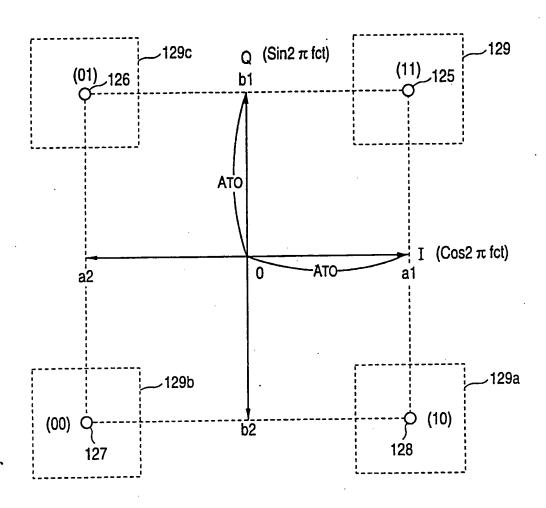


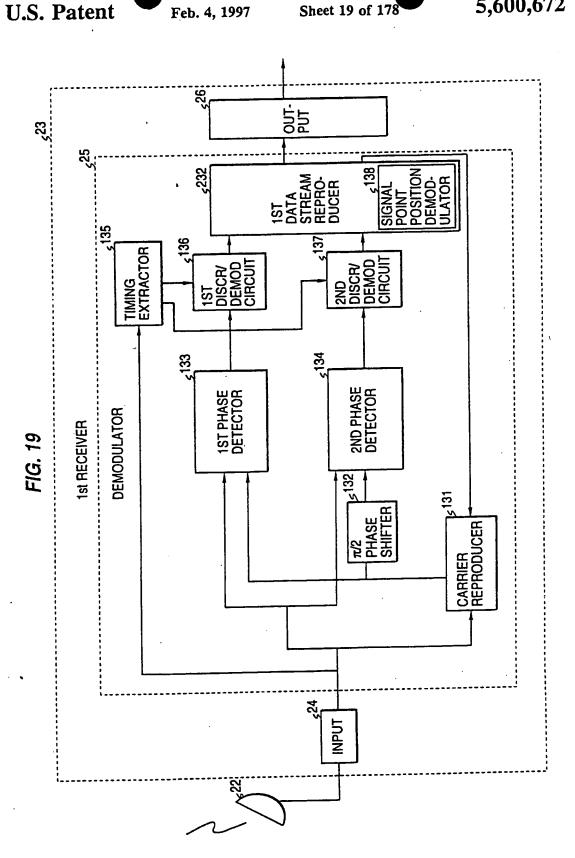


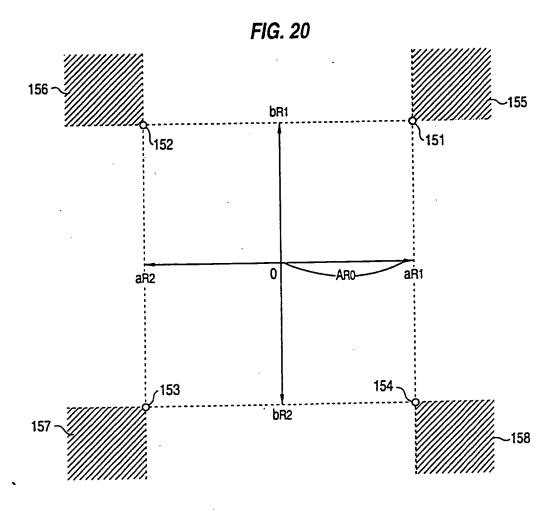


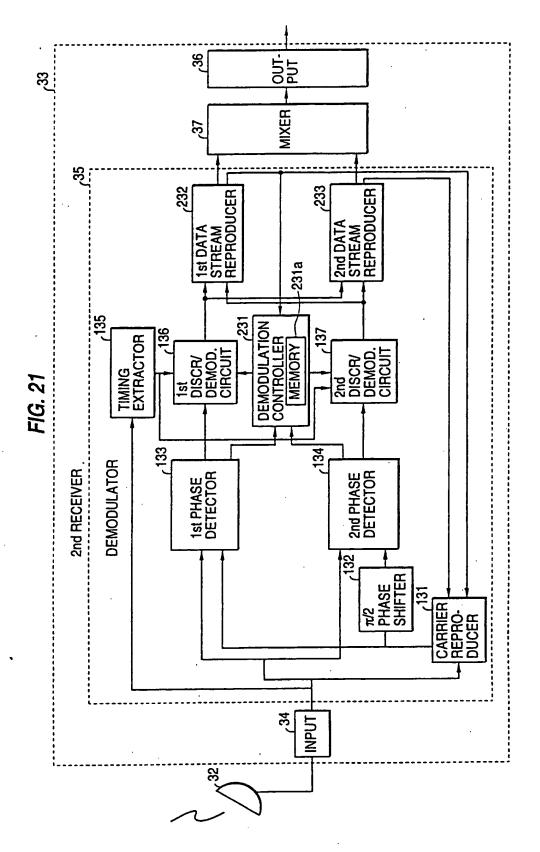
7G. 17

FIG. 18



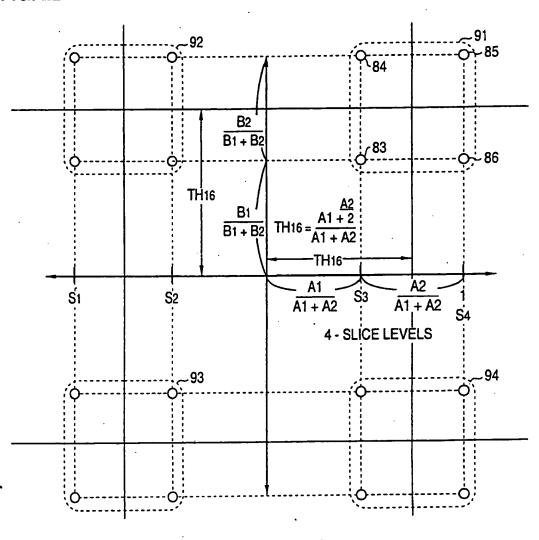






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FIG. 22



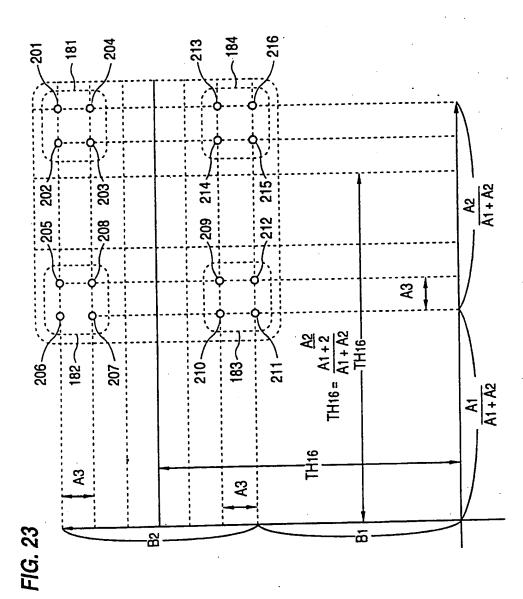
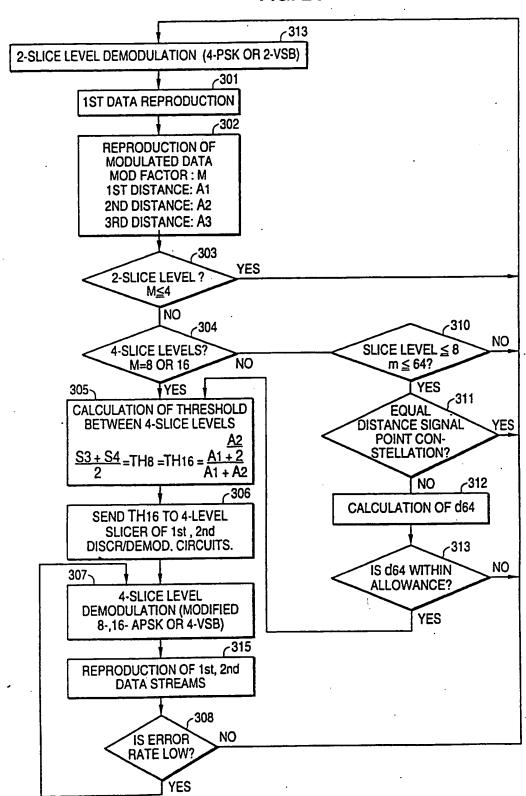
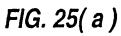


FIG. 24





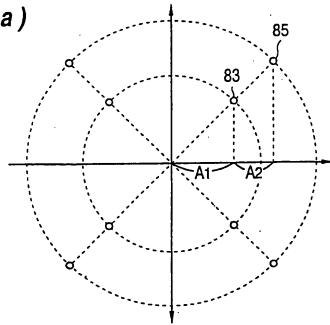
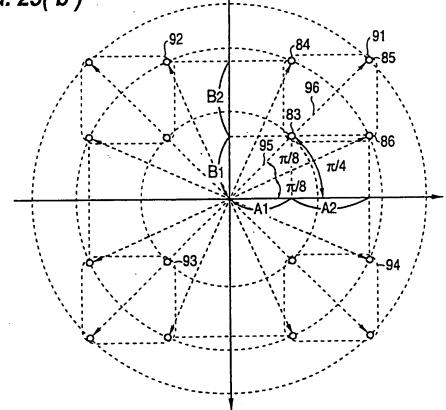
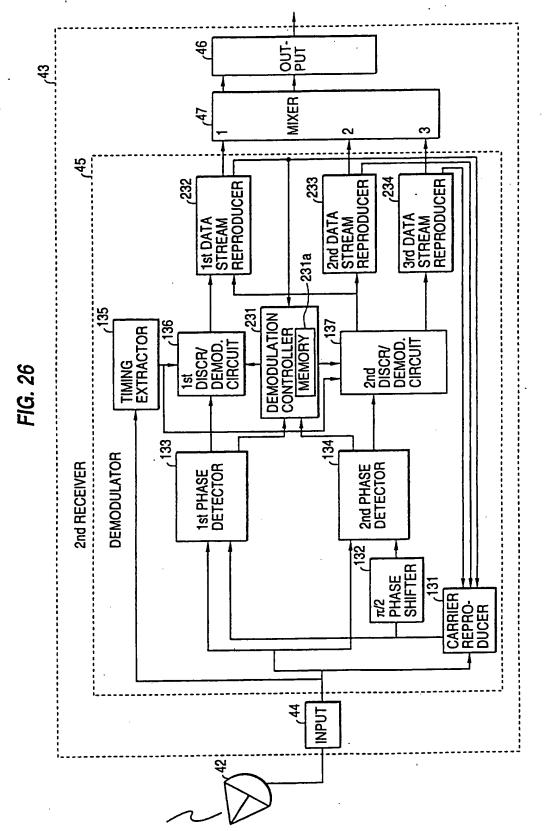


FIG. 25(b)

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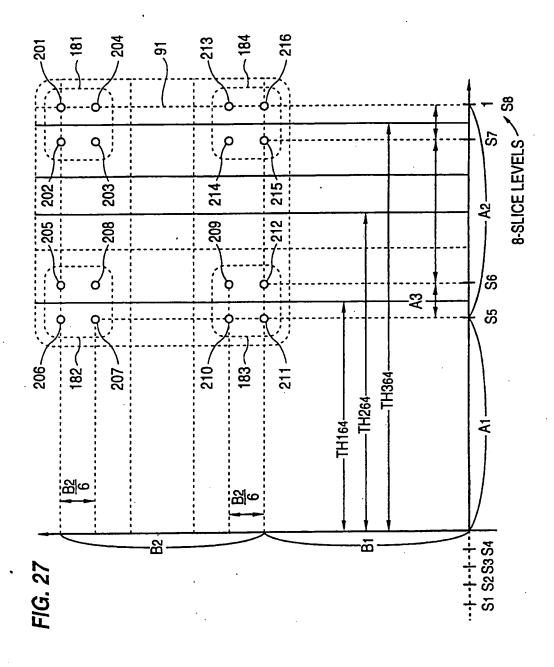
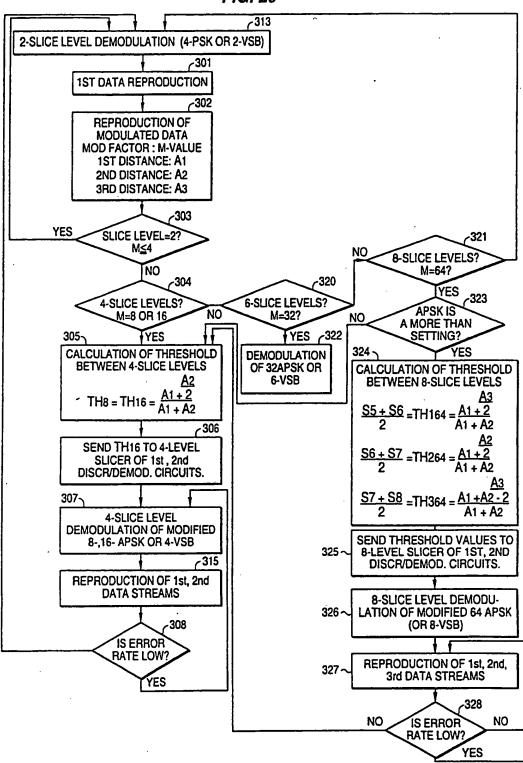
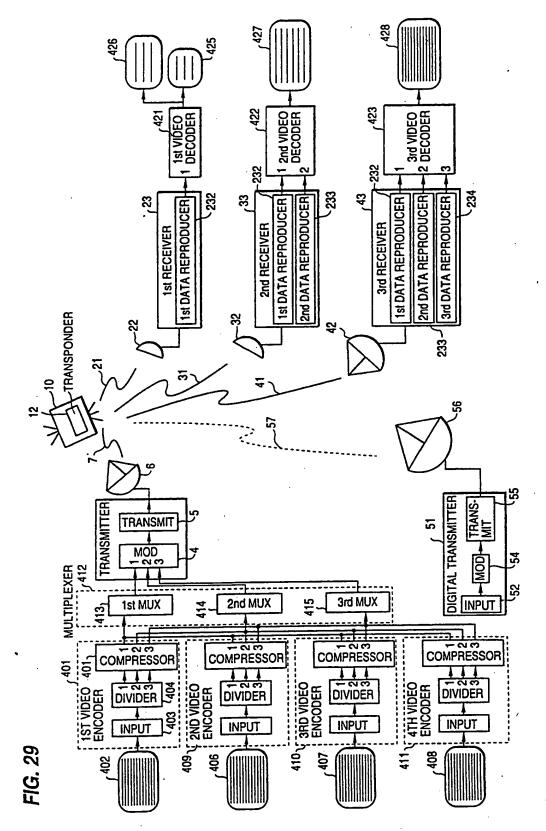


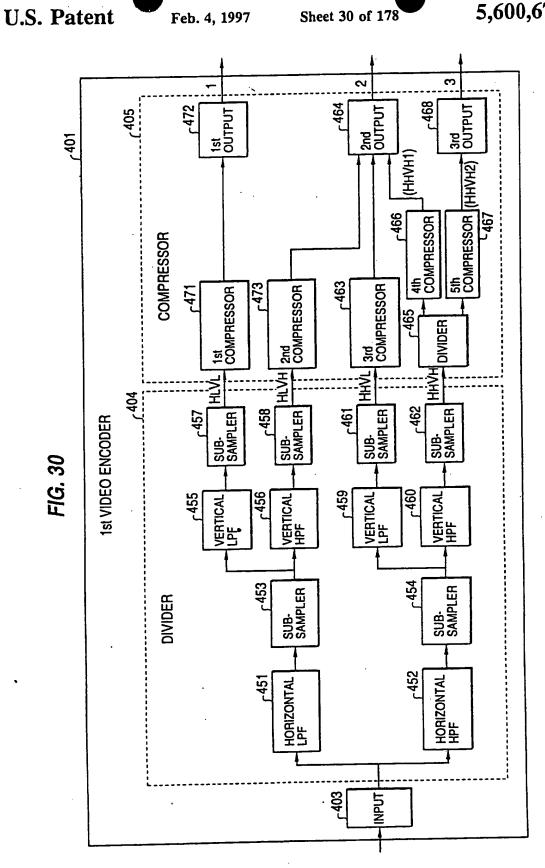
FIG. 28



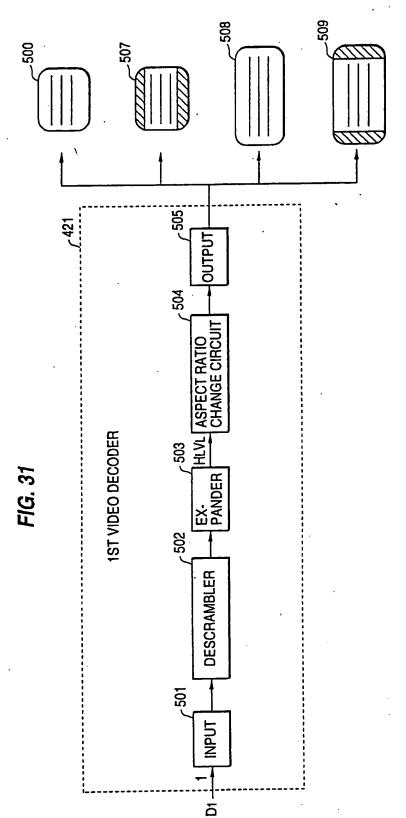


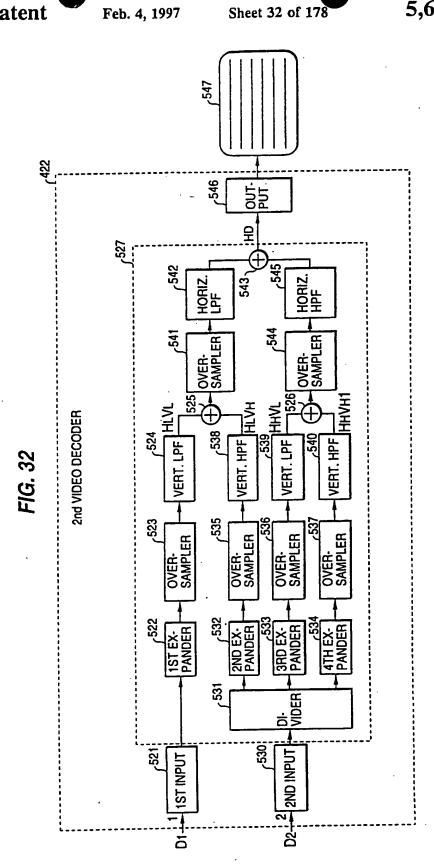


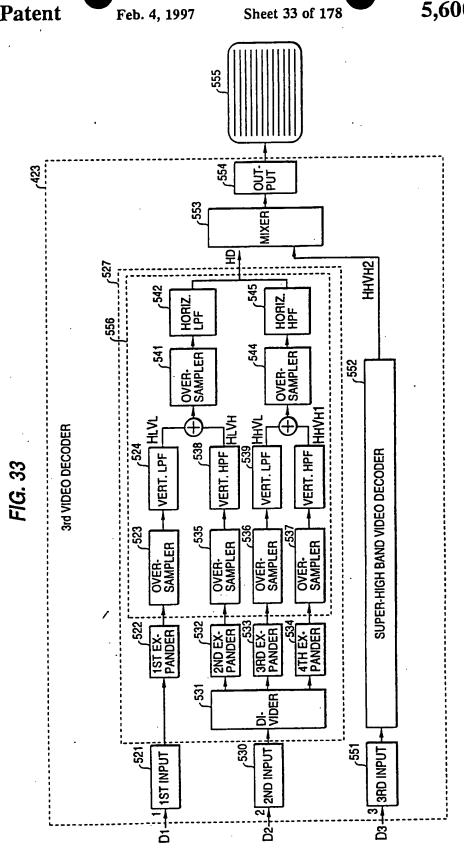
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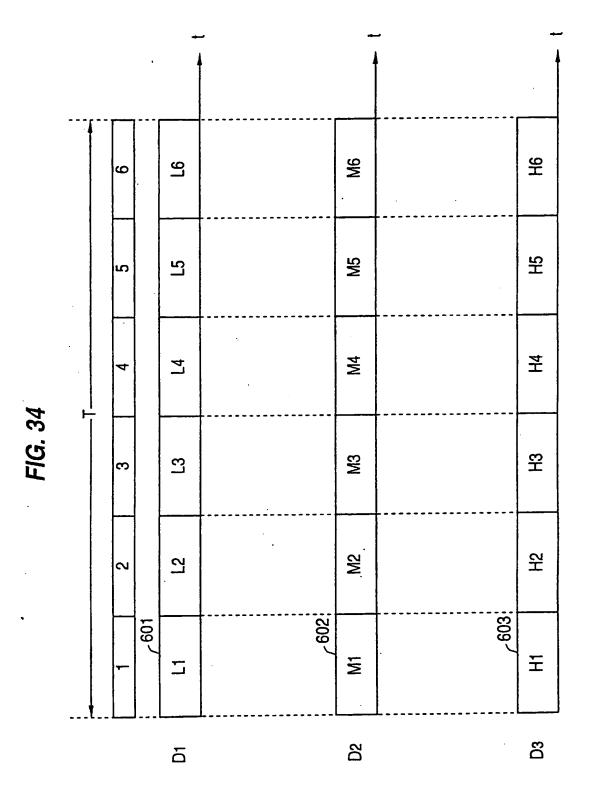


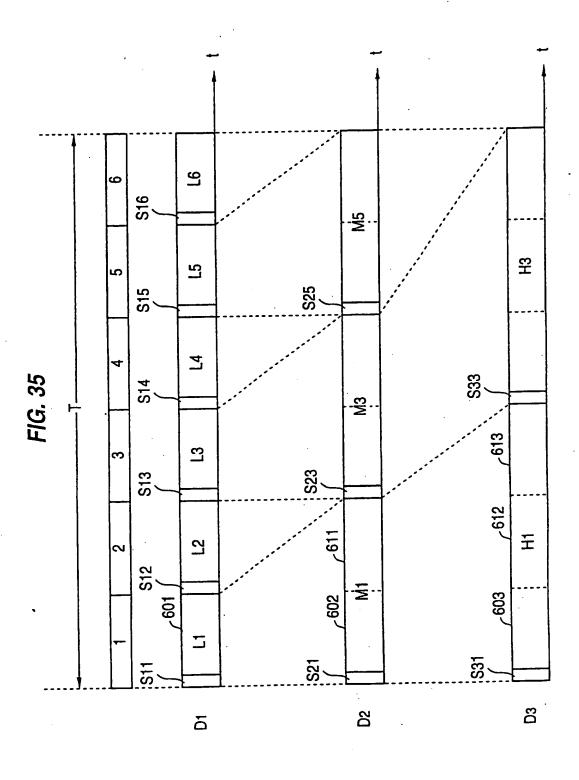
U.S. Patent Feb. 4, 1997 Sheet 31 of 178 5,600,672

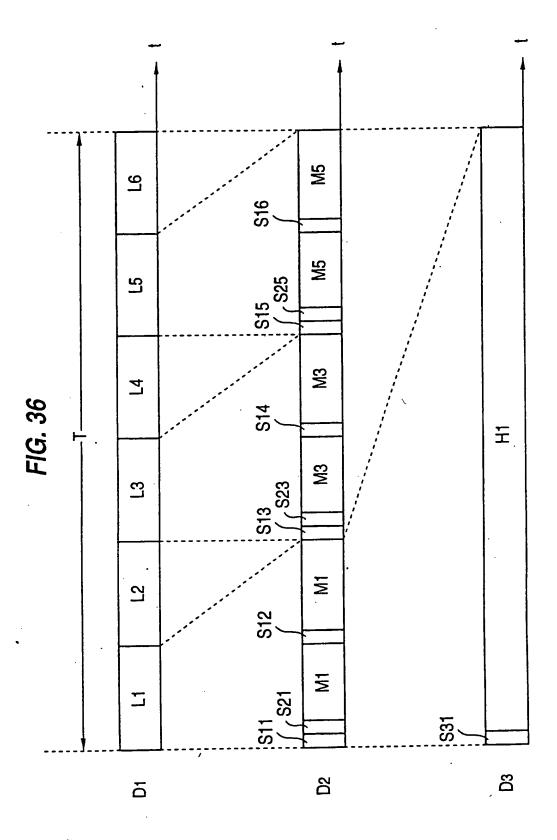


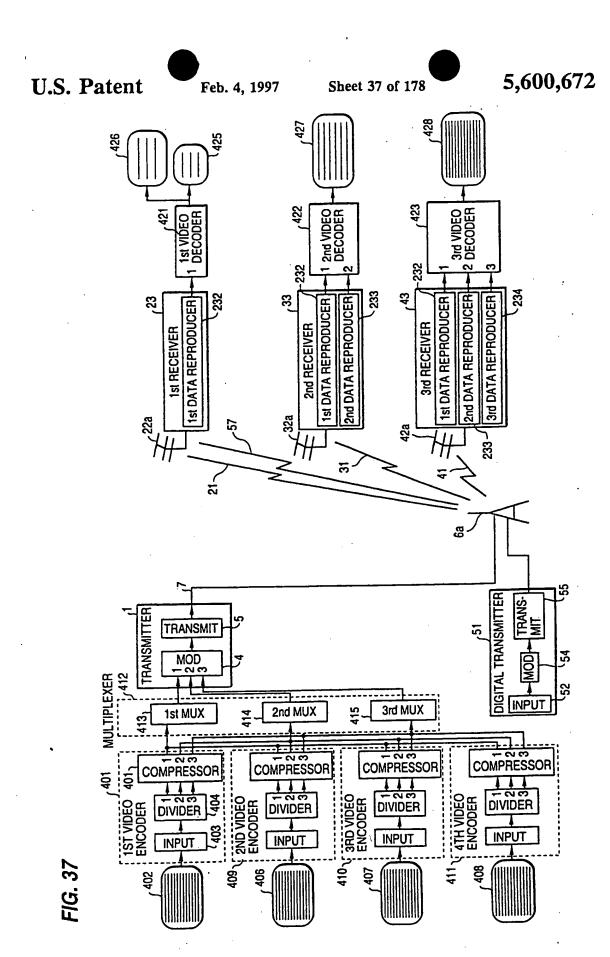




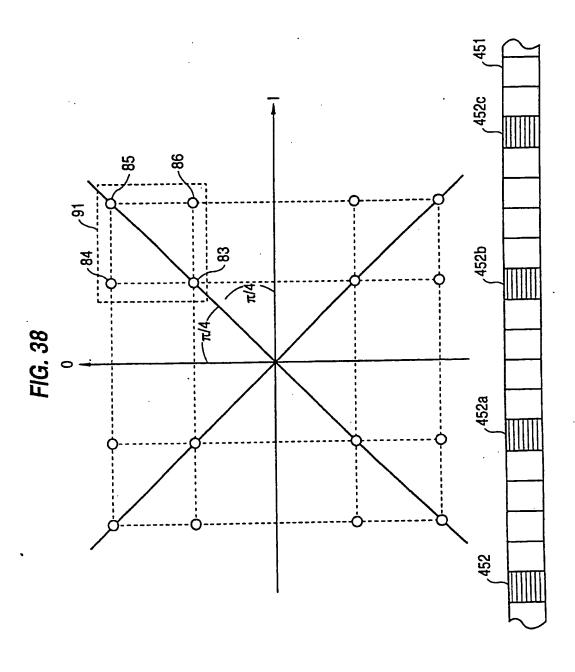


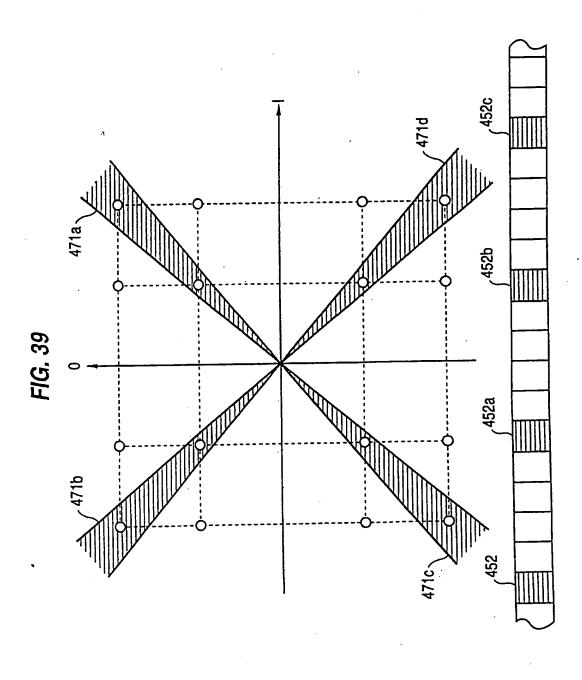


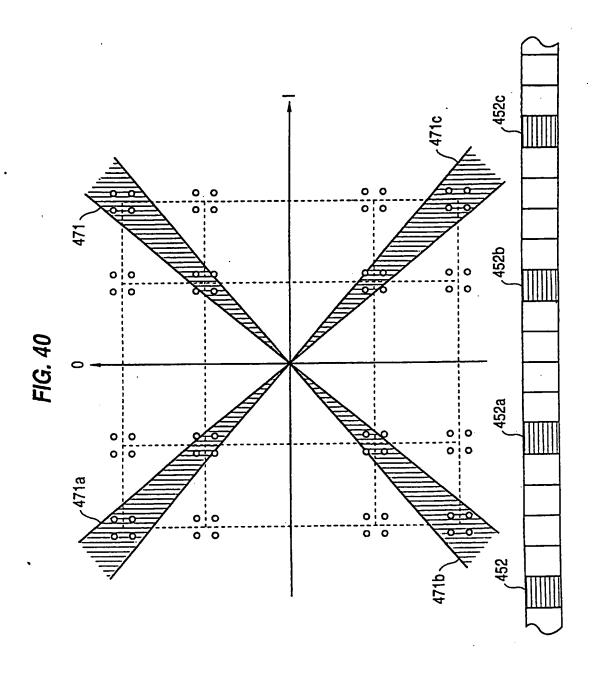


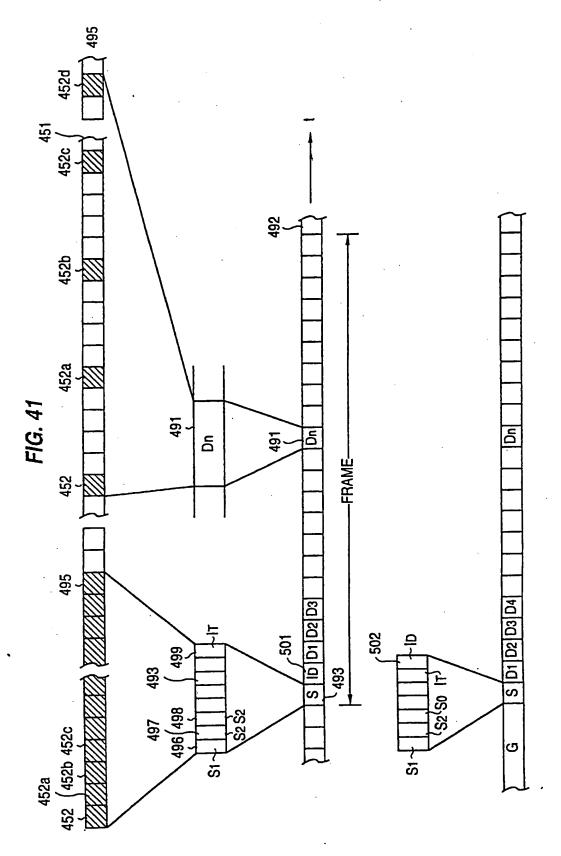




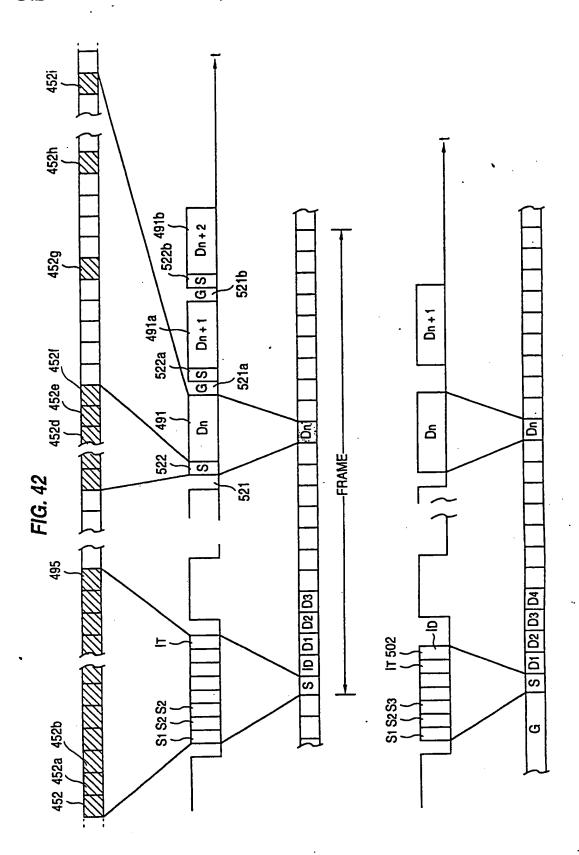


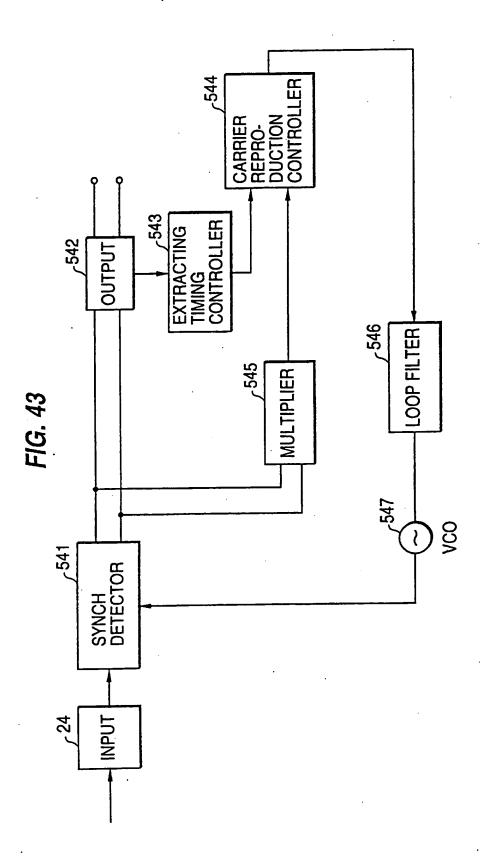


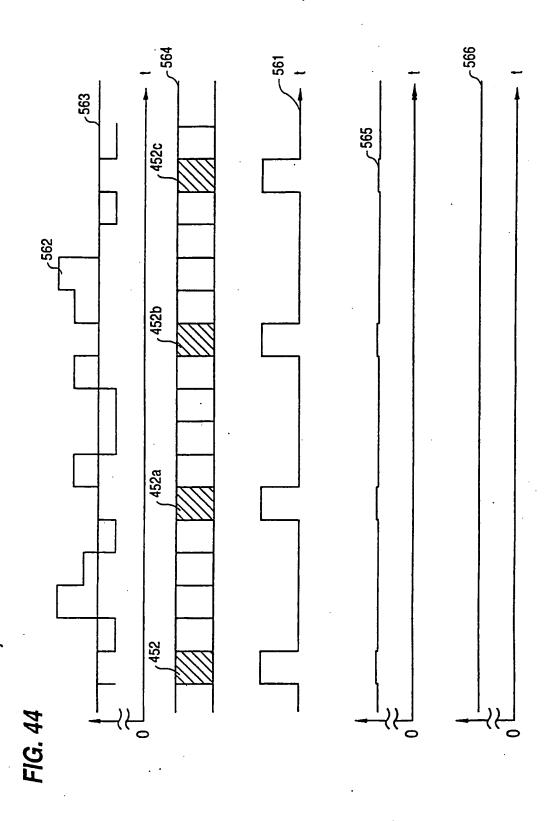


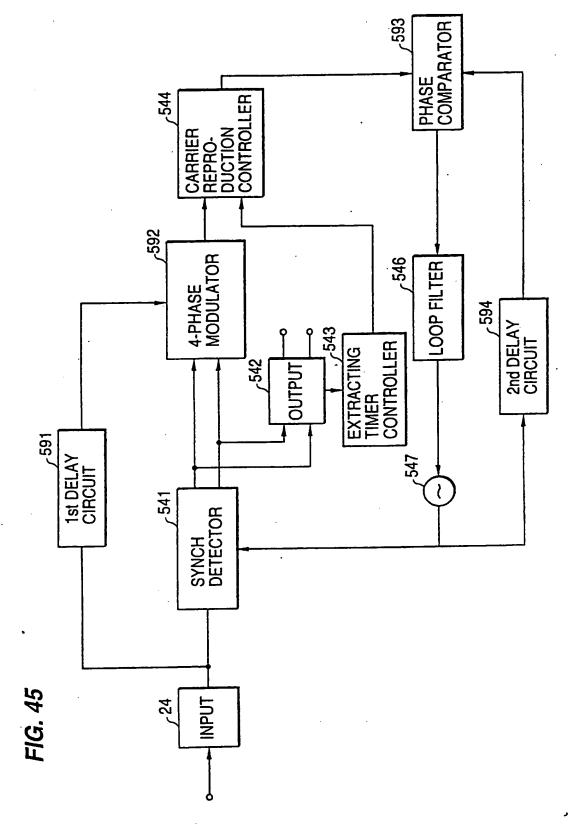


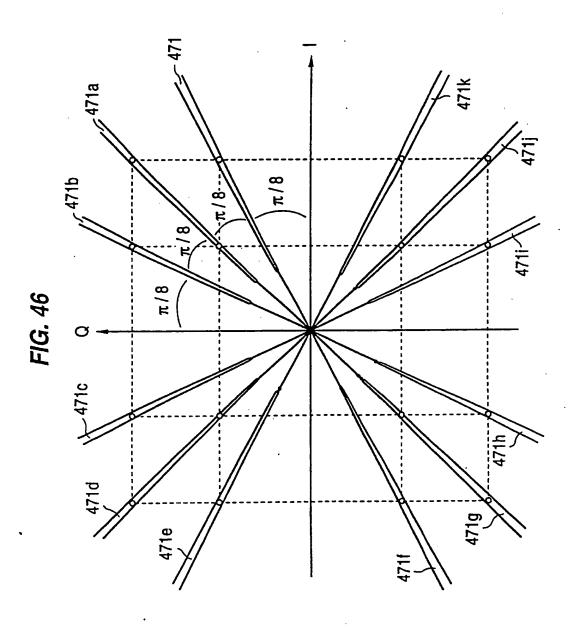


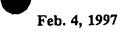












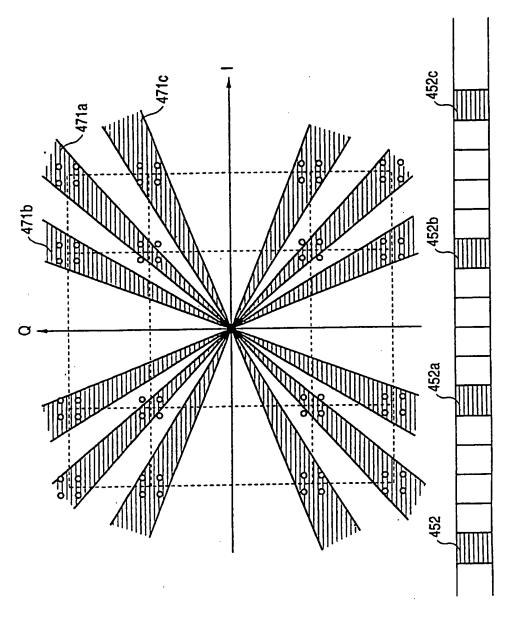
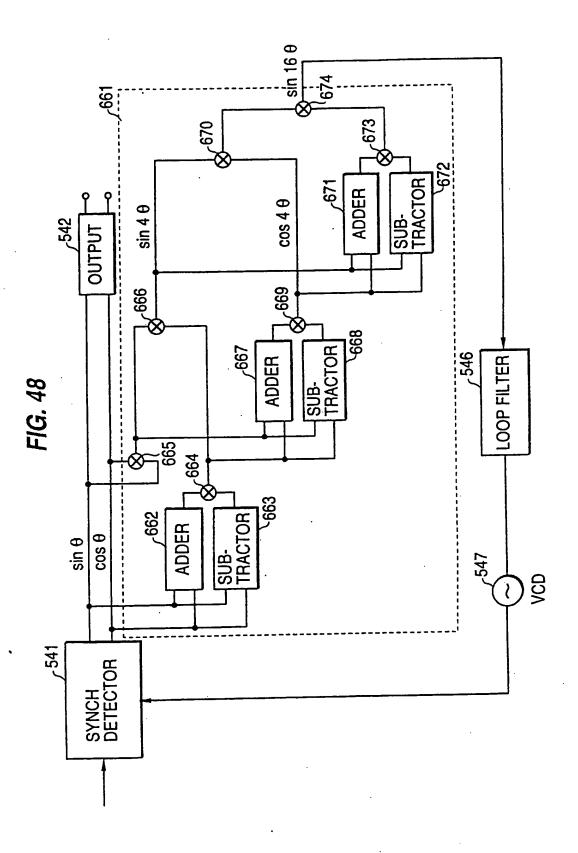


FIG. 47

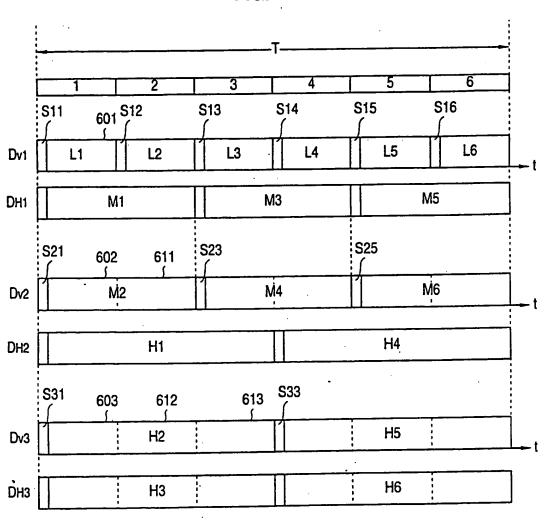
Sheet 48 of 178

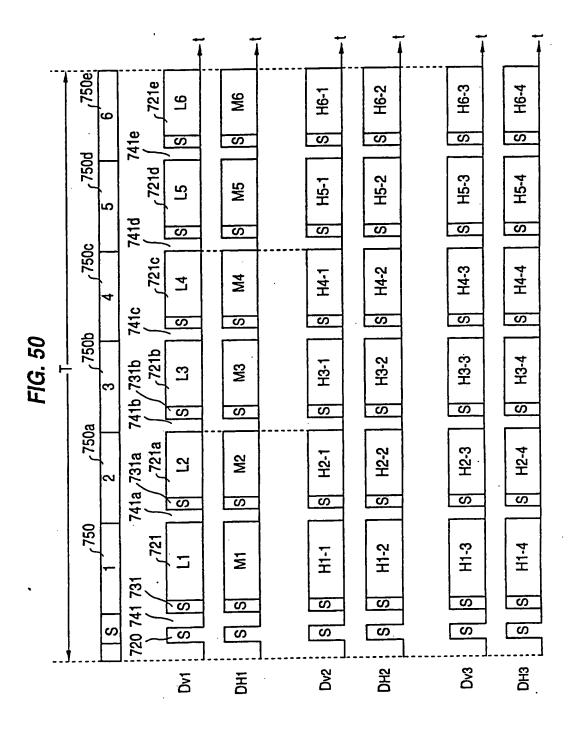


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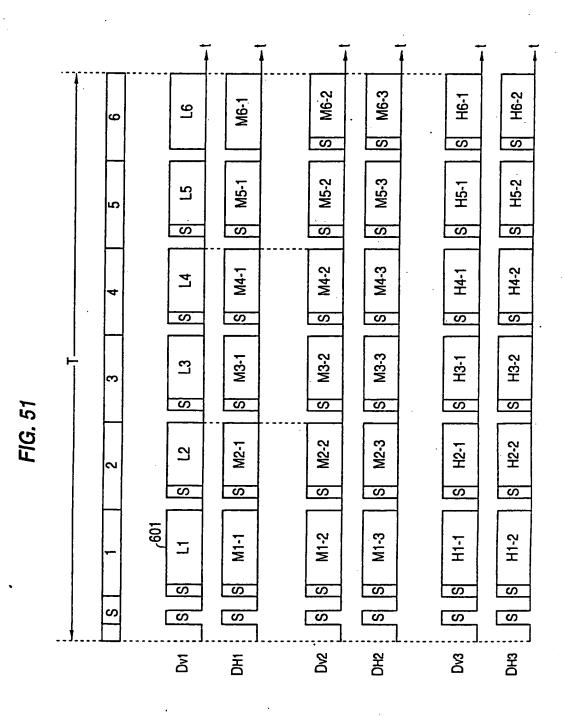
FIG. 49

Sheet 49 of 178

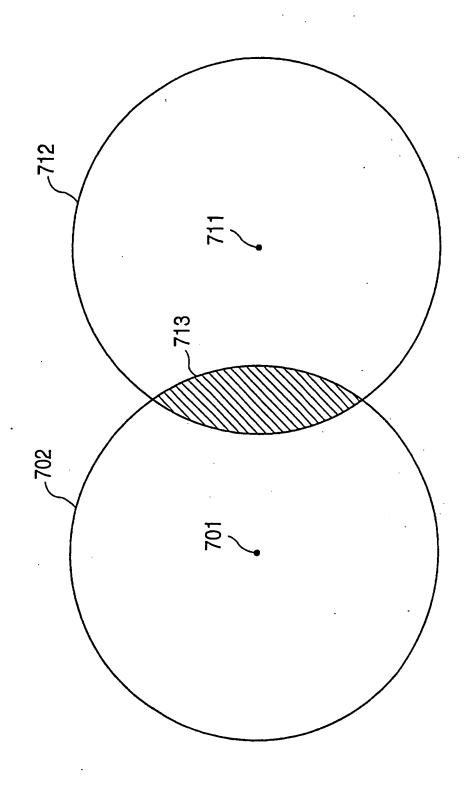




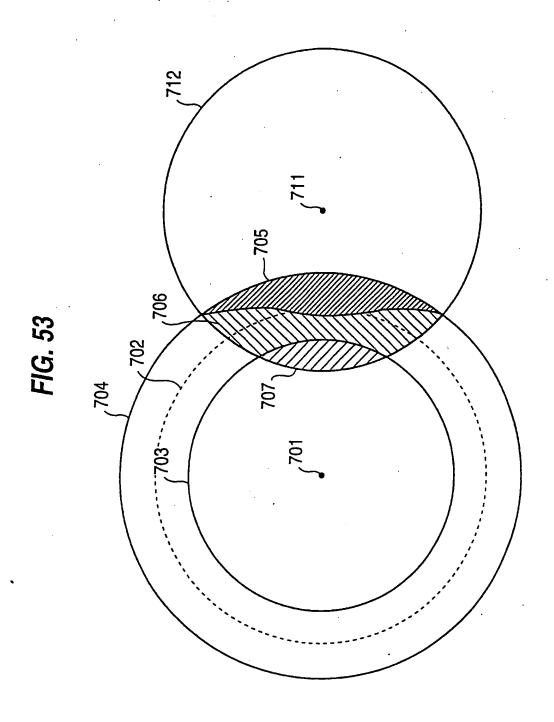




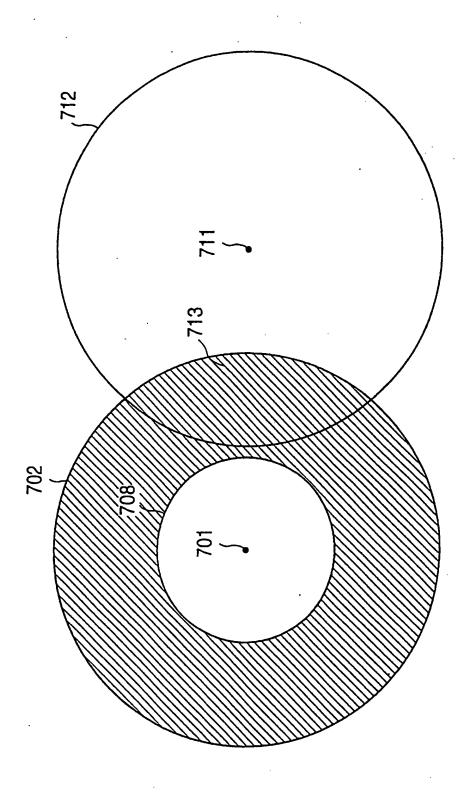




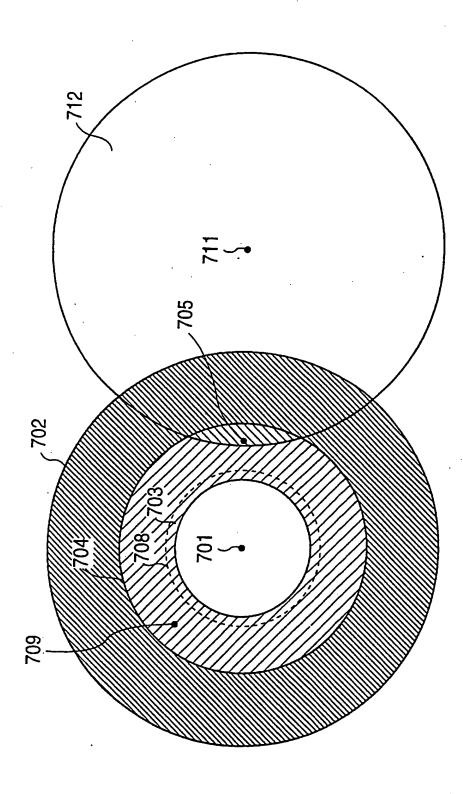


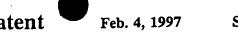


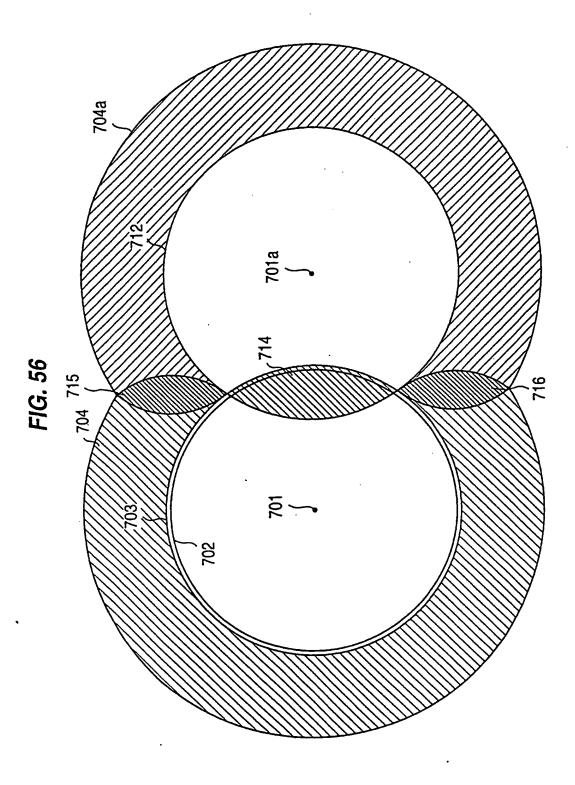














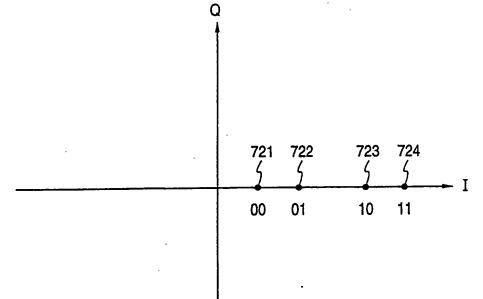
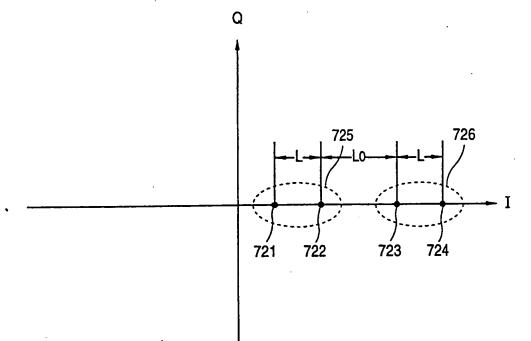
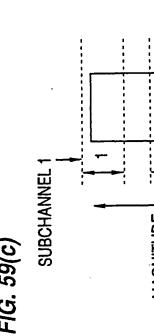
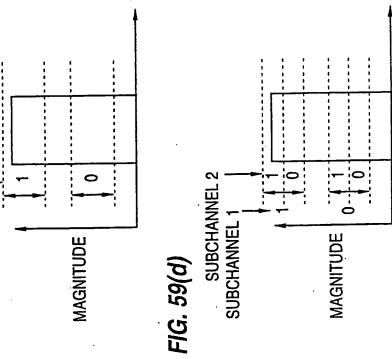
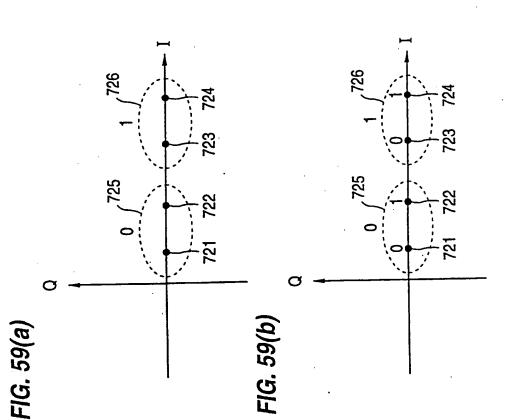


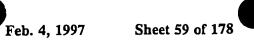
FIG. 58

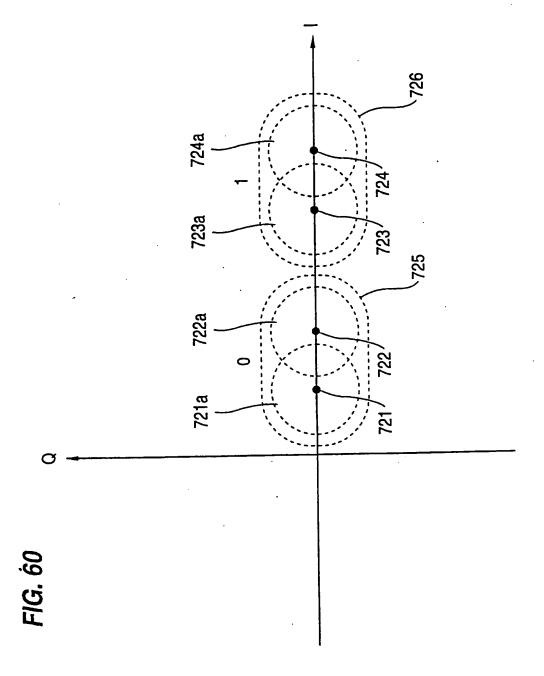


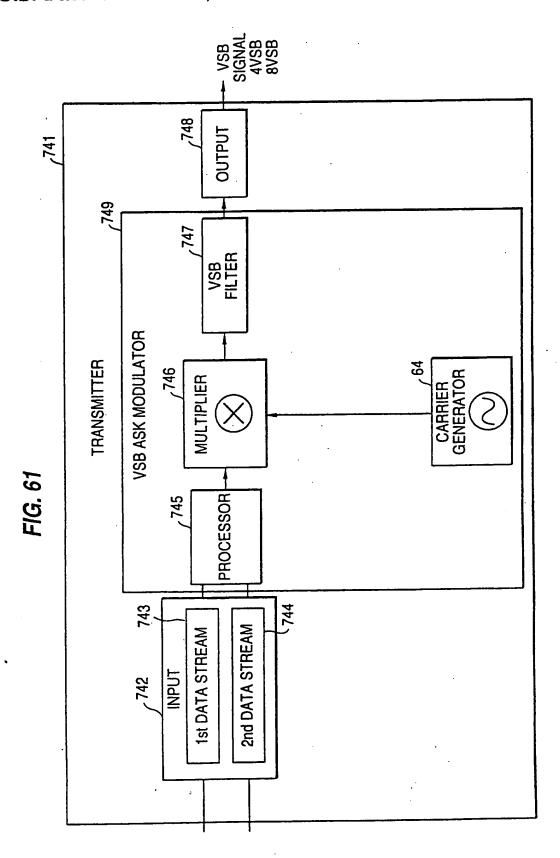


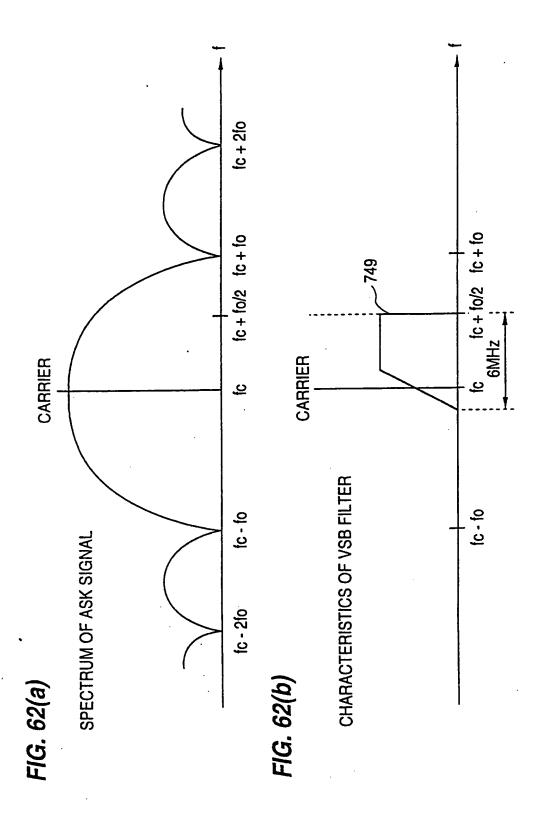


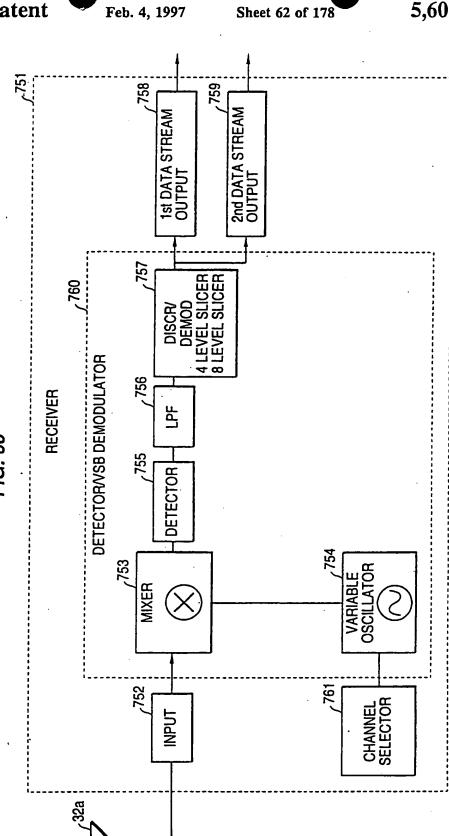


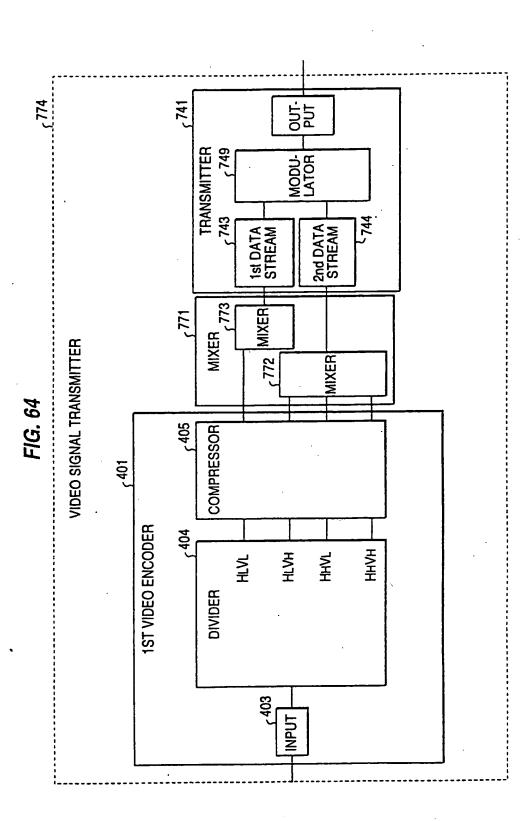


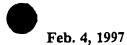


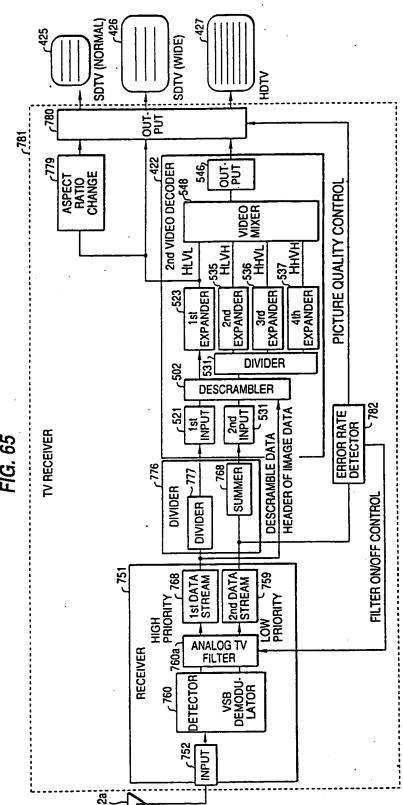


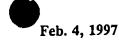












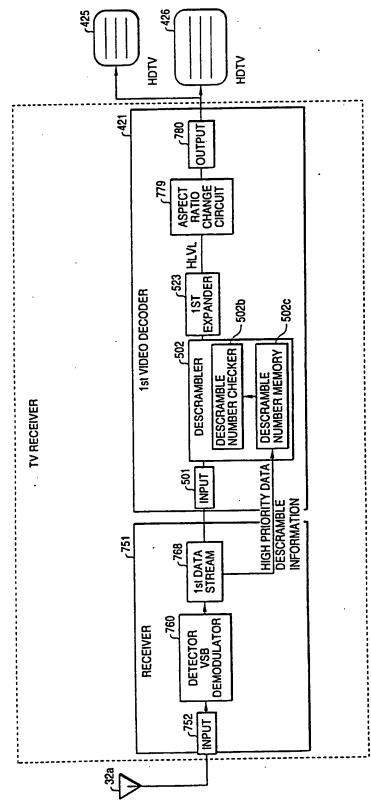
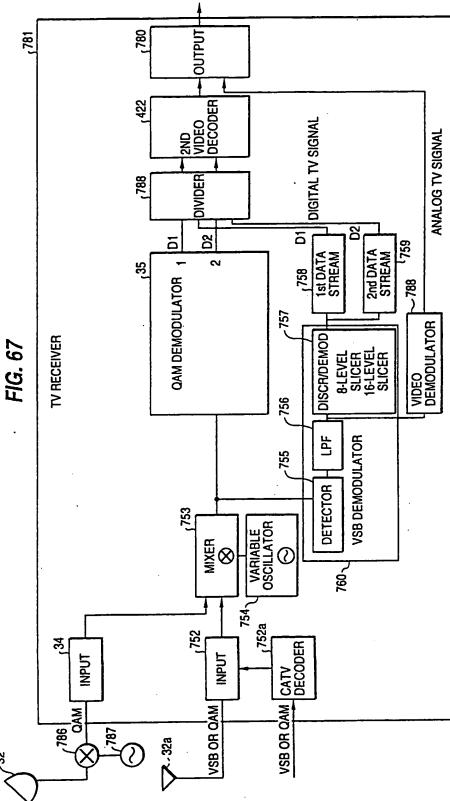
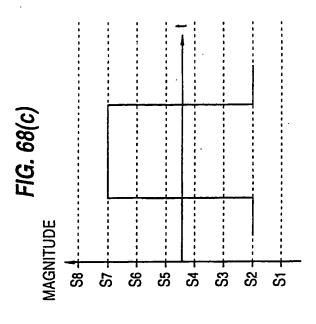
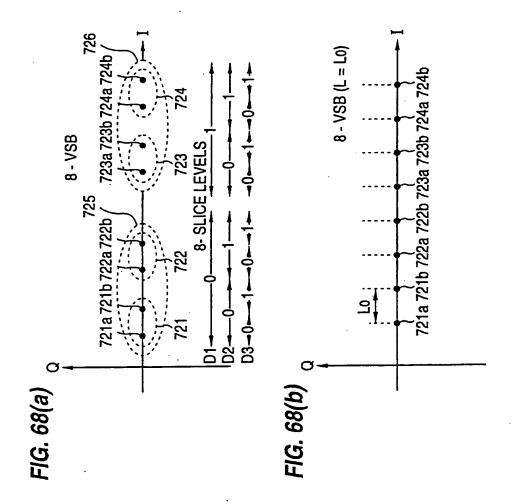


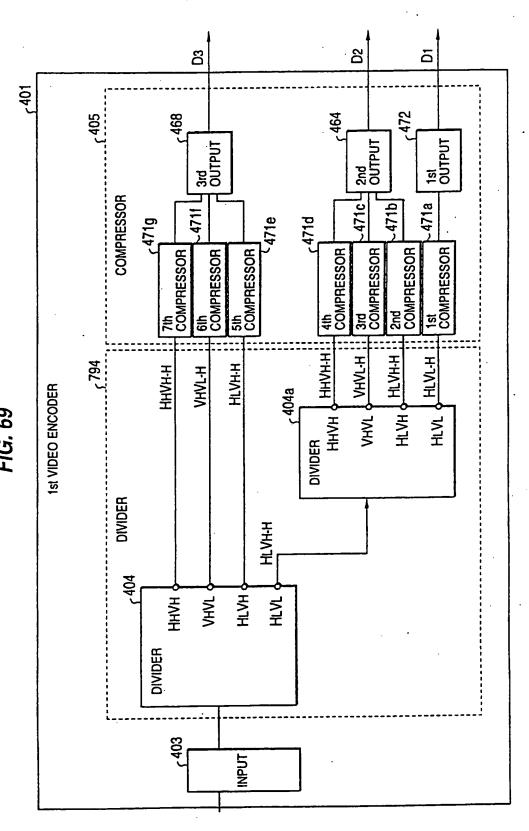
FIG. 66

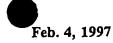
Sheet 66 of 178

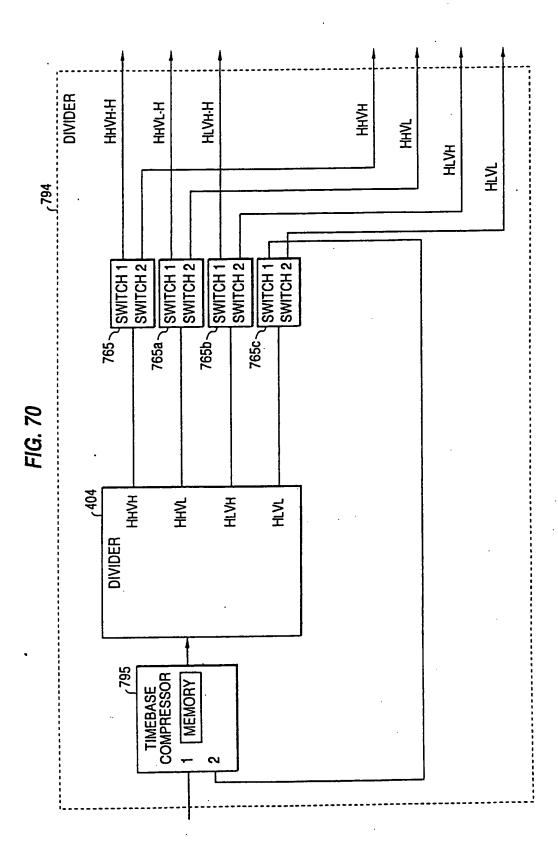


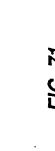






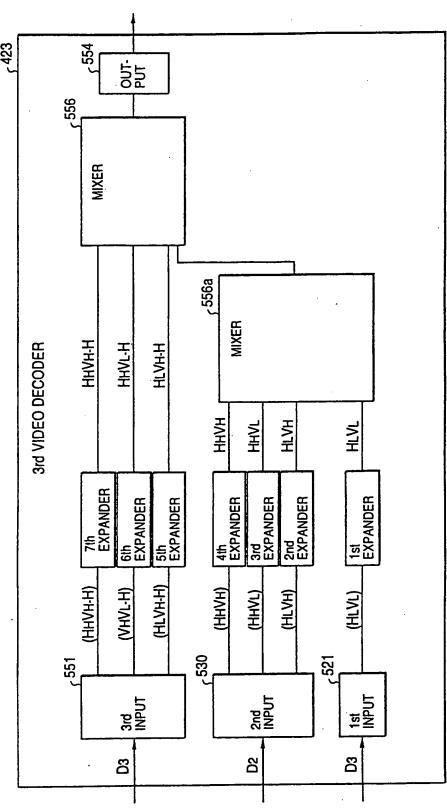






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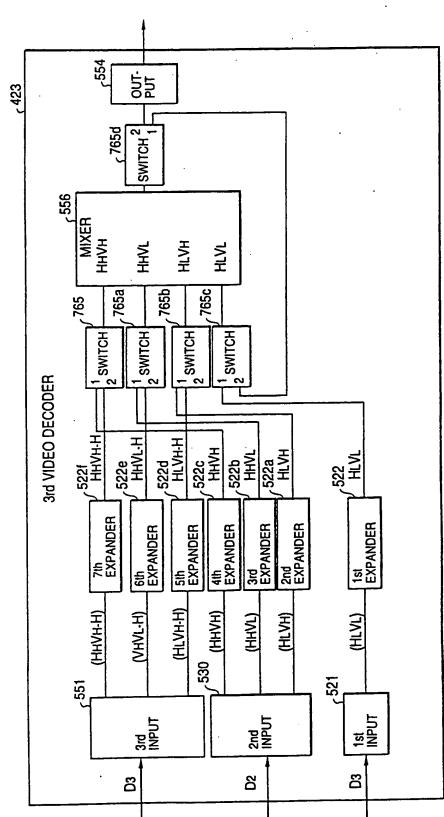


FIG. 72

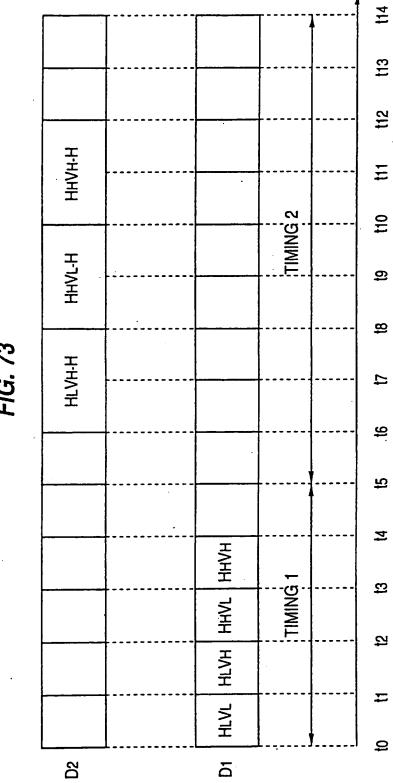
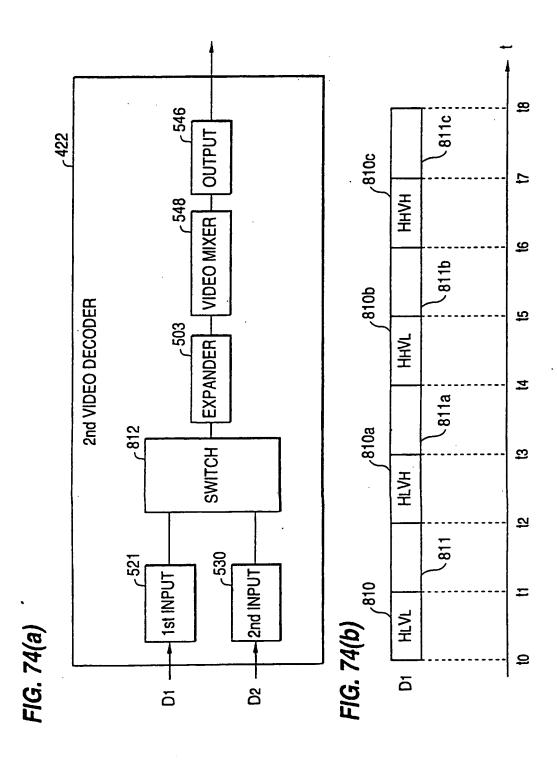
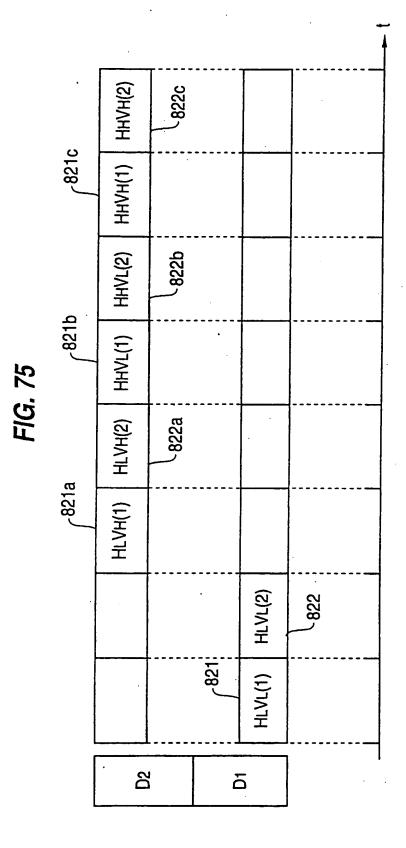


FIG. 73







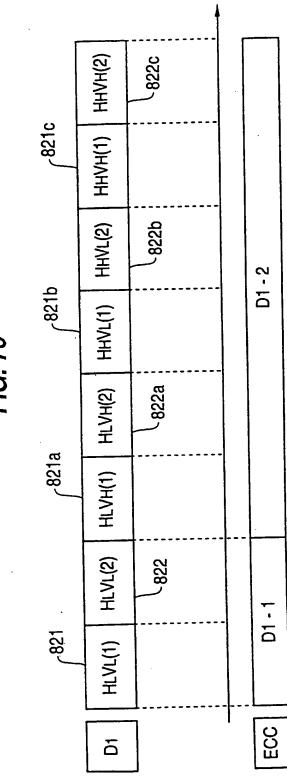
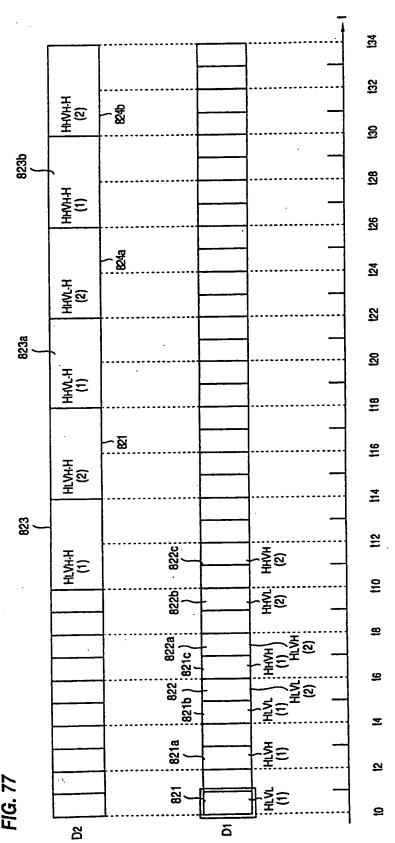
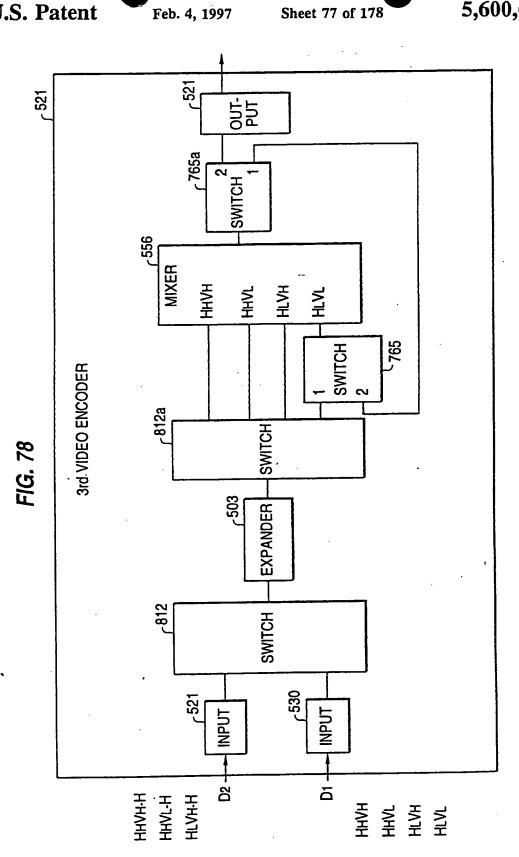
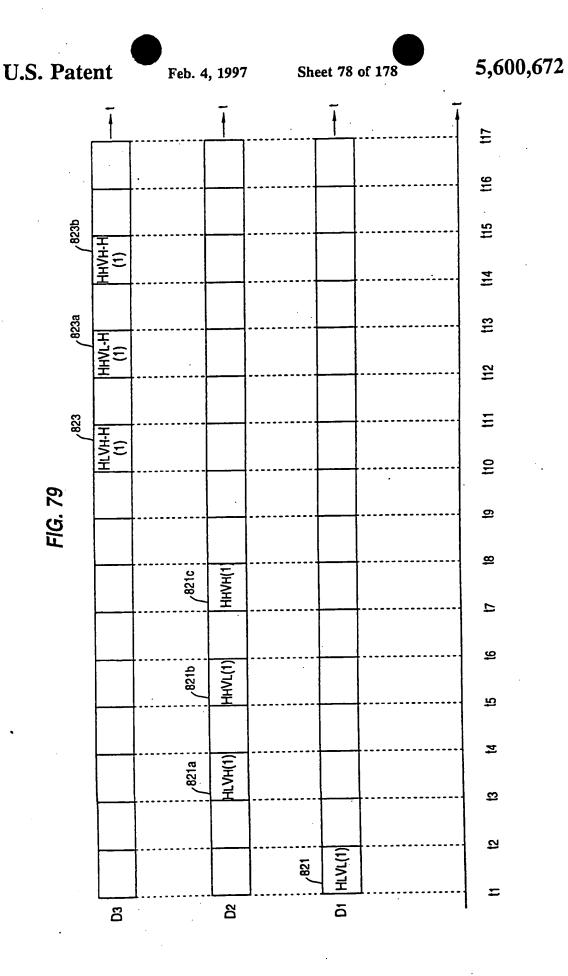
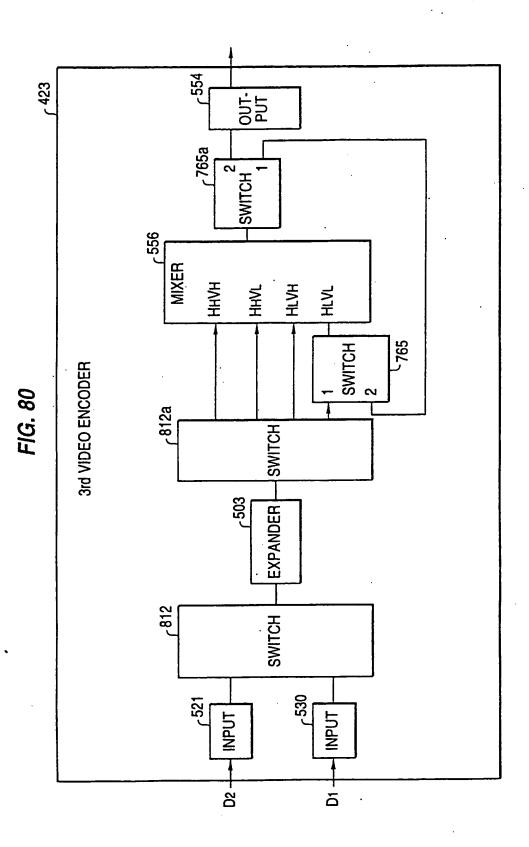


FIG. 76

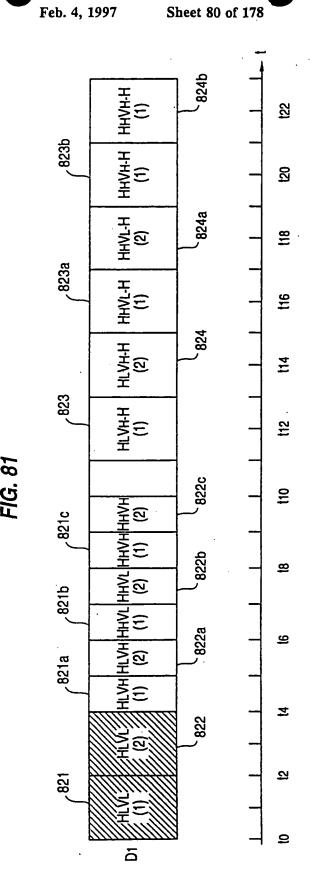


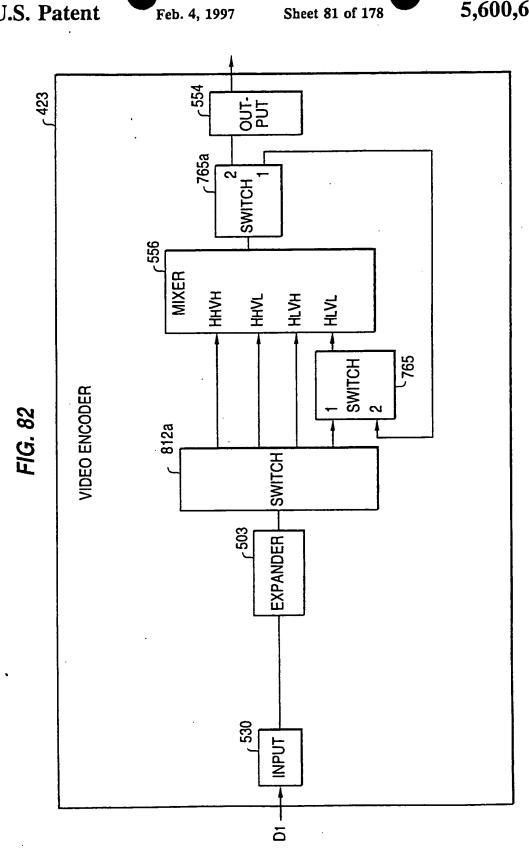




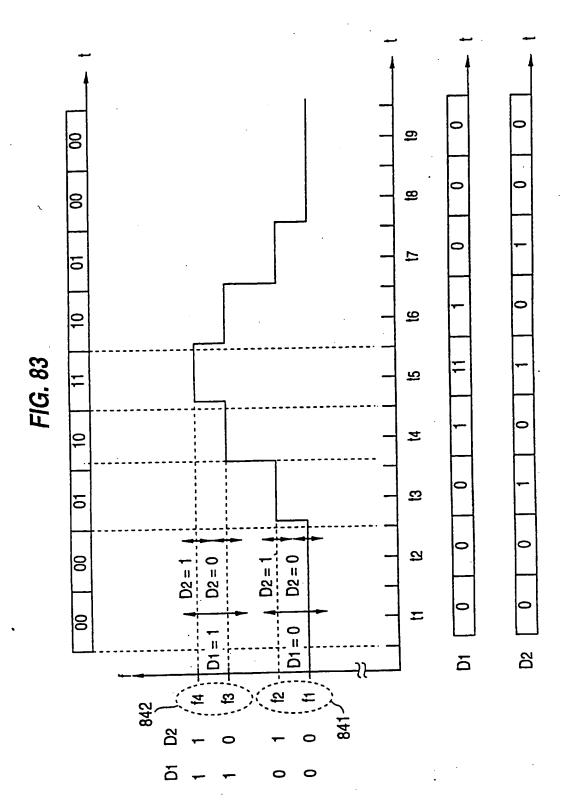


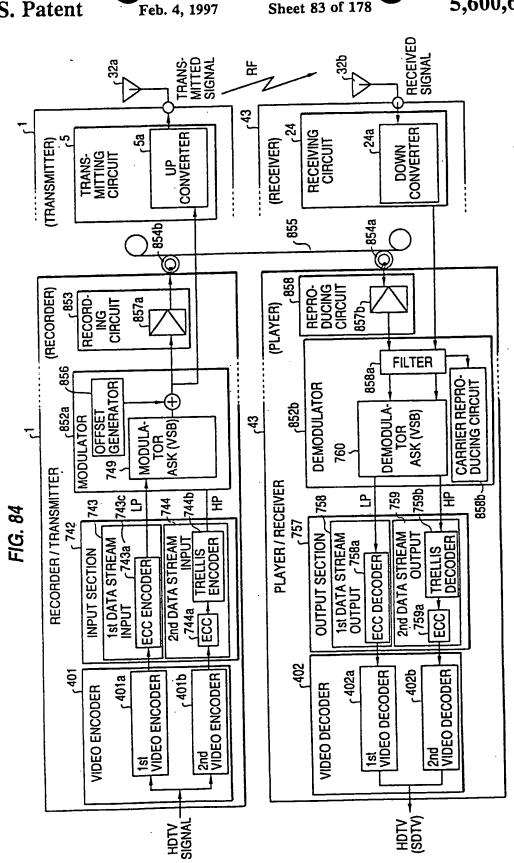




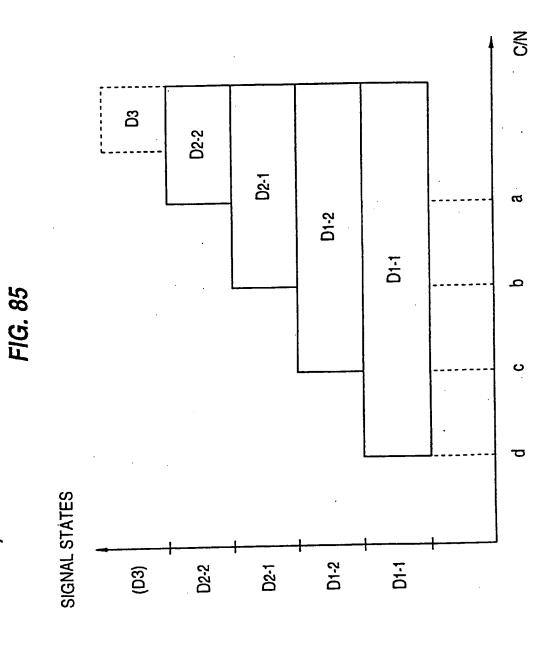


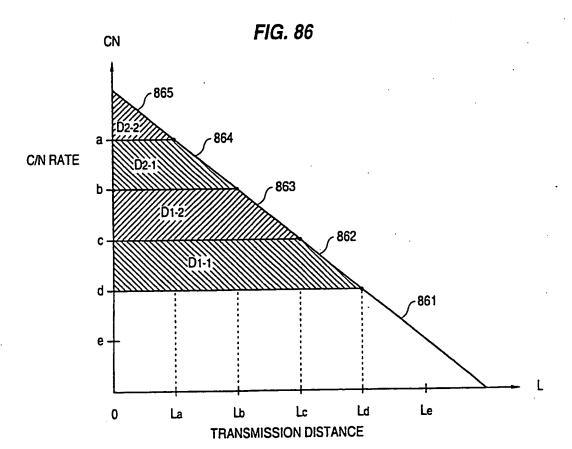
Late the true limit of the late of the lat

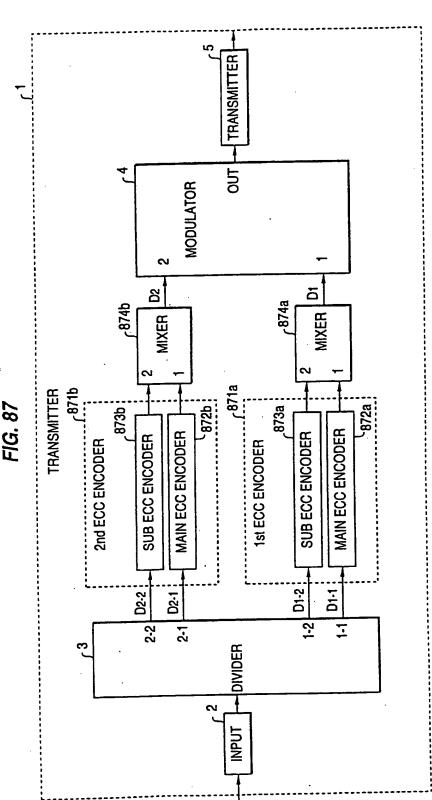












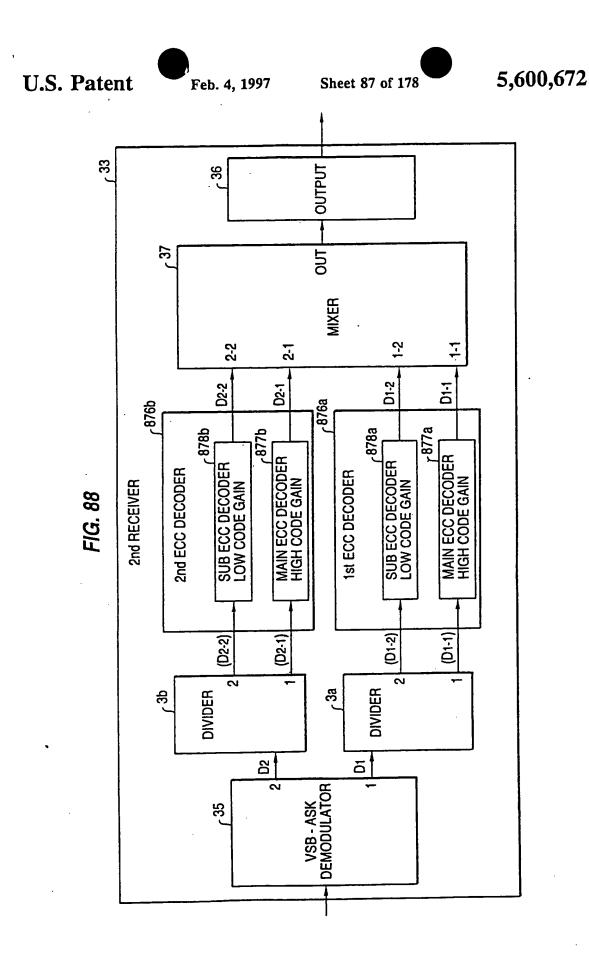
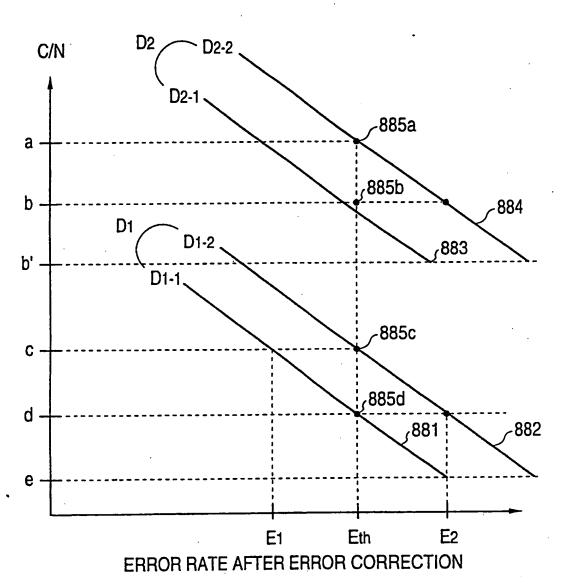
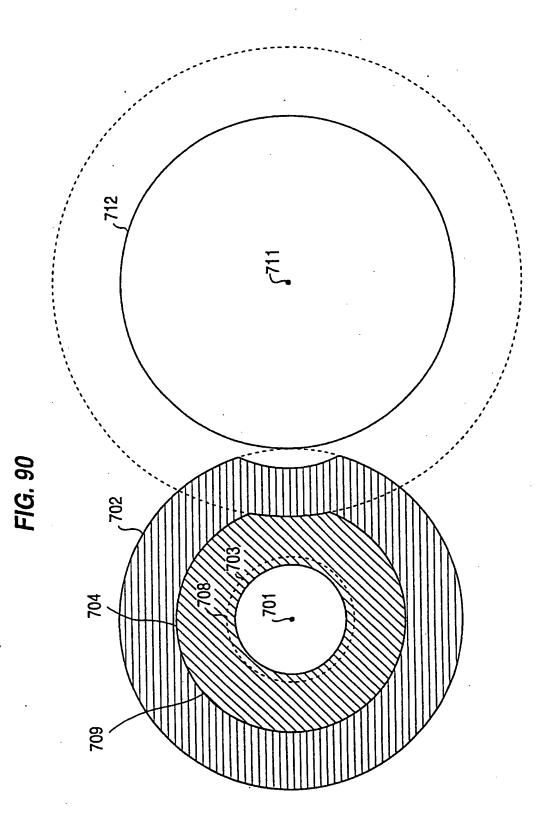


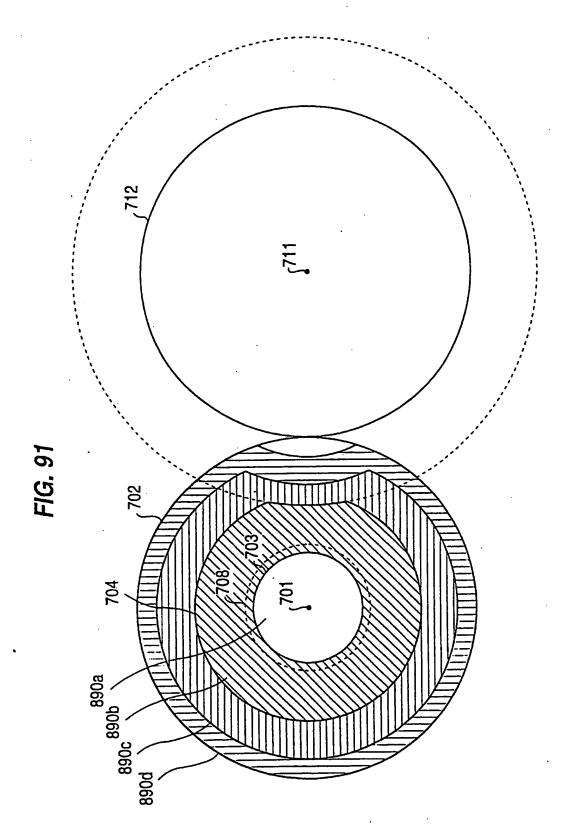
FIG. 89





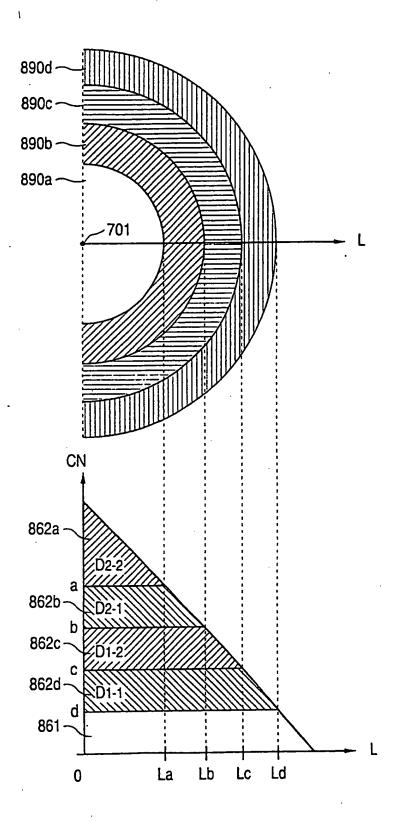


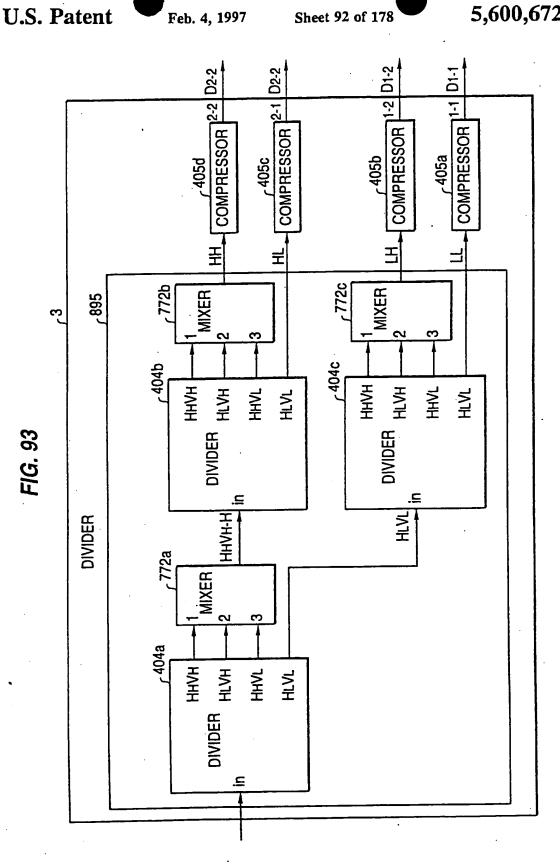
U.S. Patent Feb. 4, 1997 Sheet 90 of 178 5,600,672

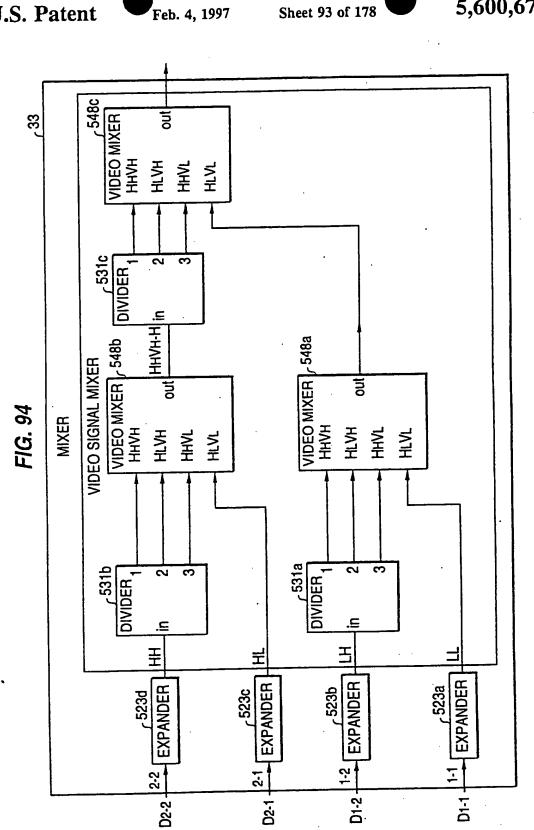


U.S. Patent Feb. 4, 1997

FIG. 92



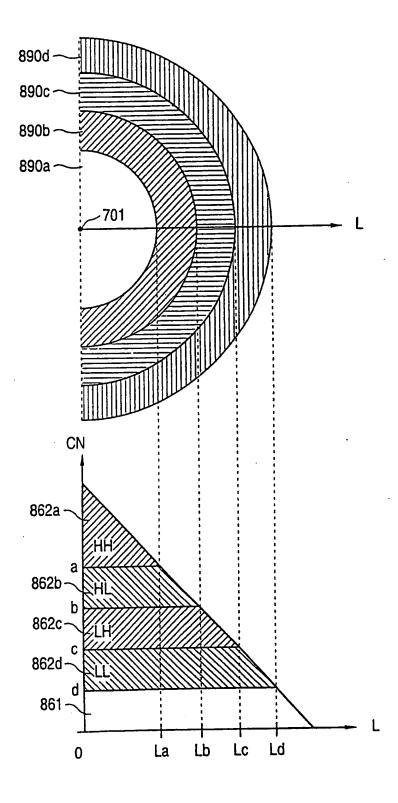




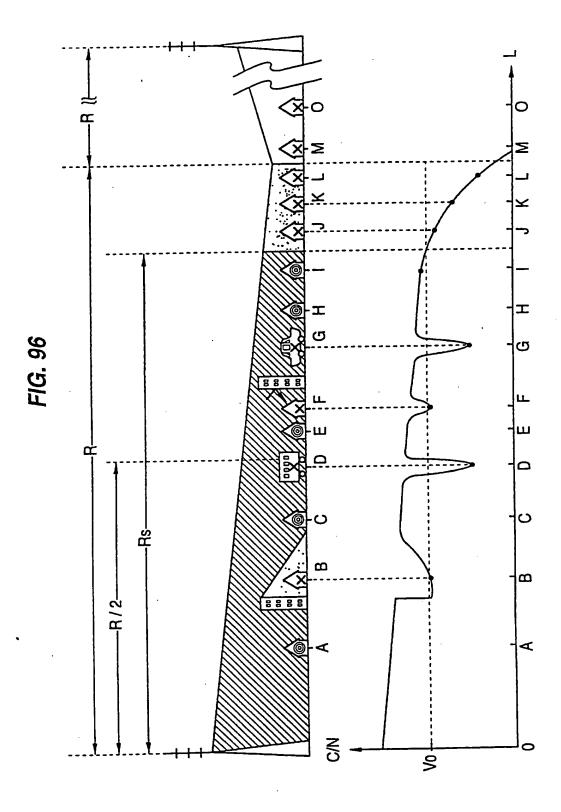
Sheet 94 of 178

Feb. 4, 1997

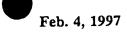
FIG. 95

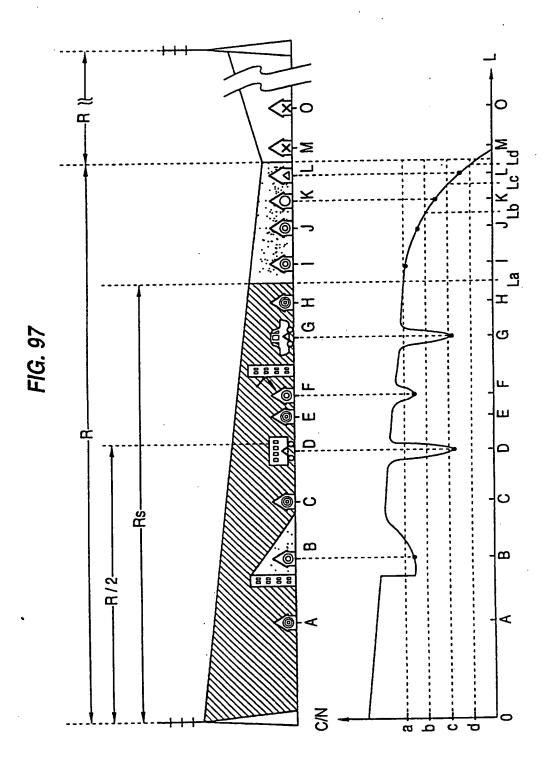






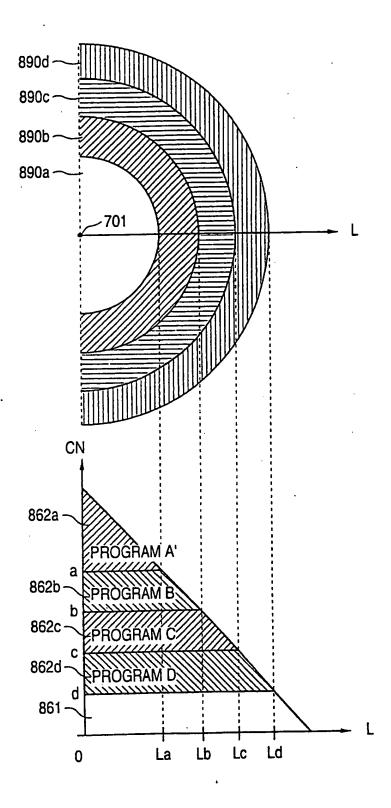
Sheet 96 of 178

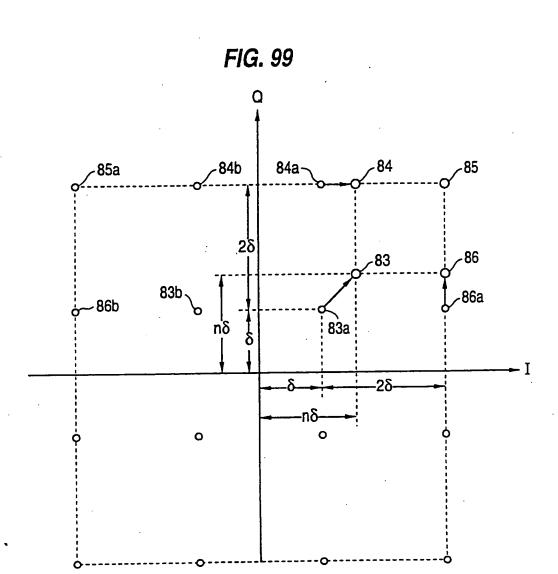




Feb. 4, 1997

FIG. 98





Sheet 99 of 178

FIG. 100

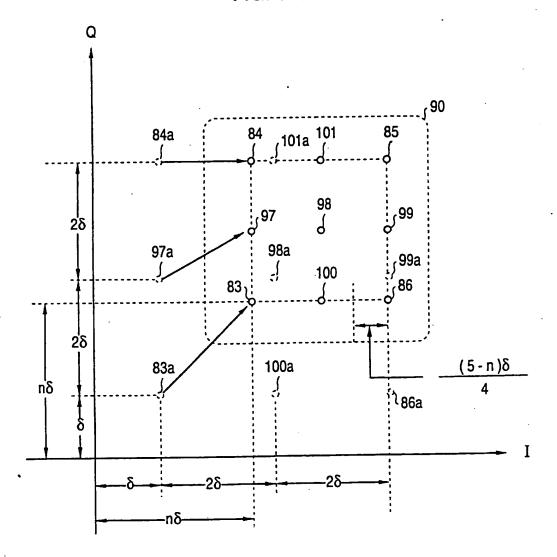


FIG. 101

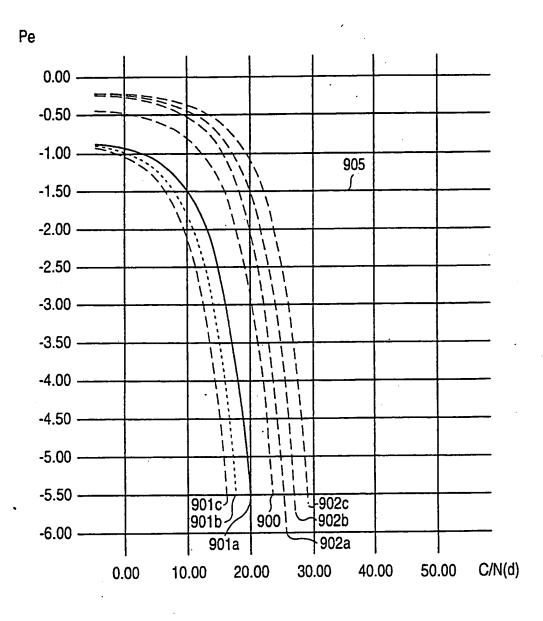


FIG. 102

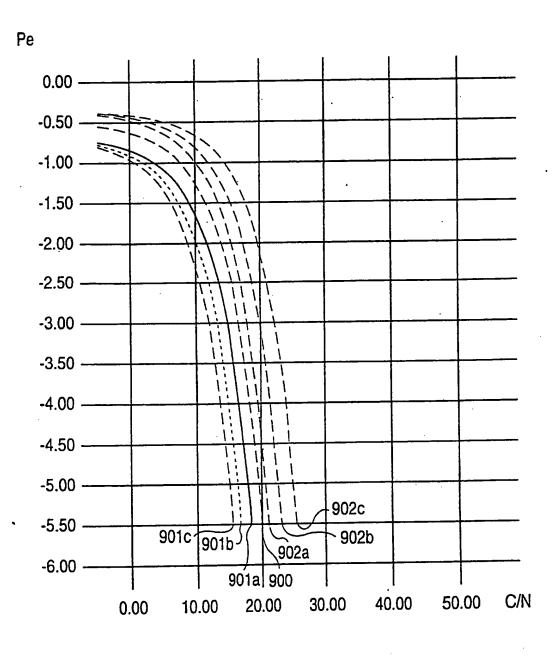
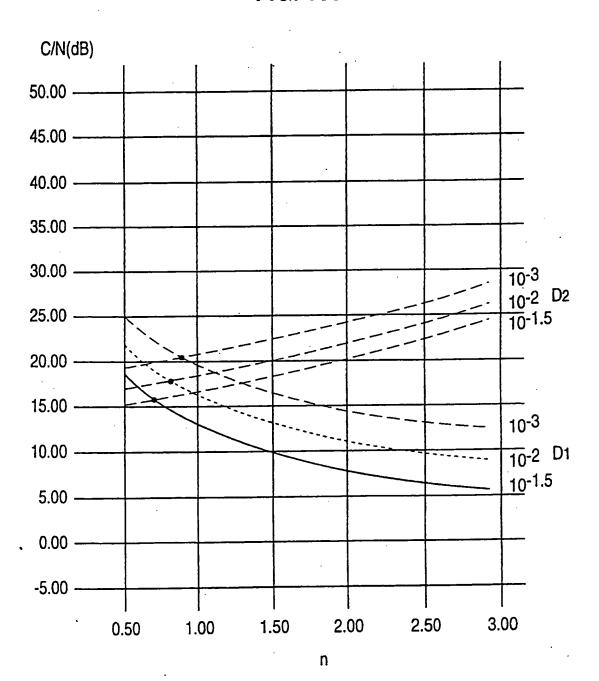
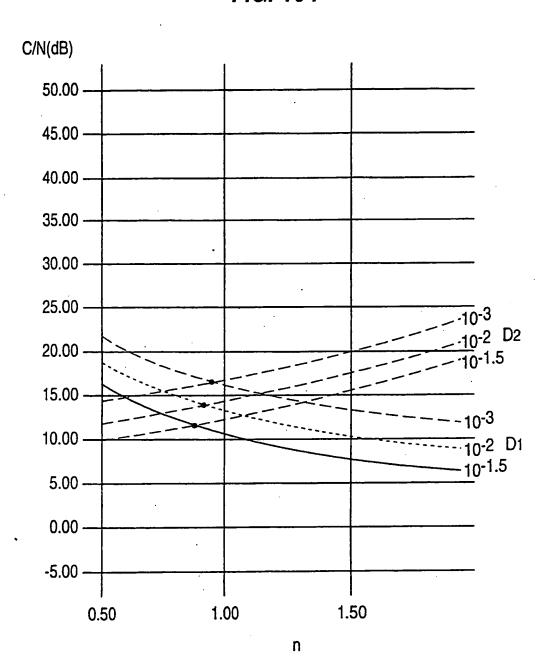


FIG. 103

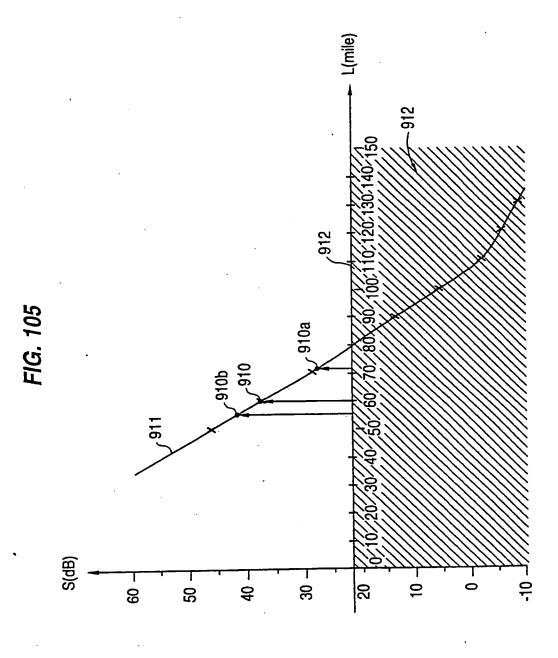


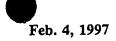
Feb. 4, 1997

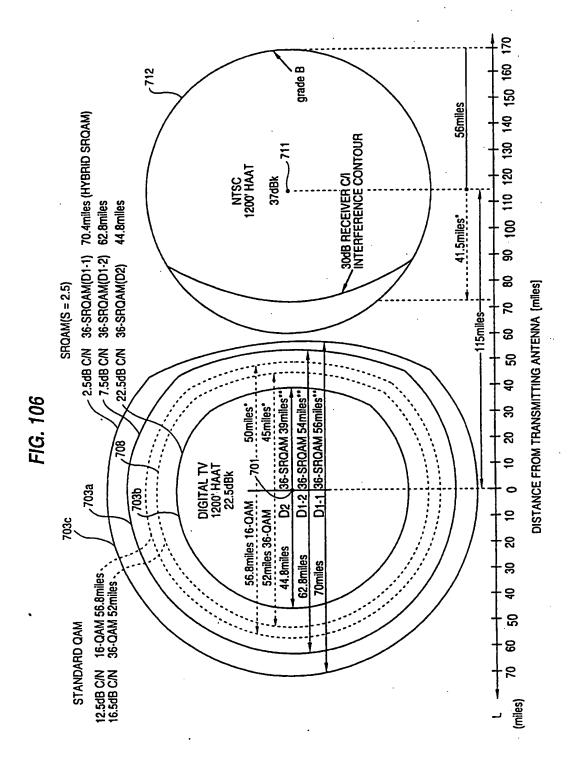
FIG. 104



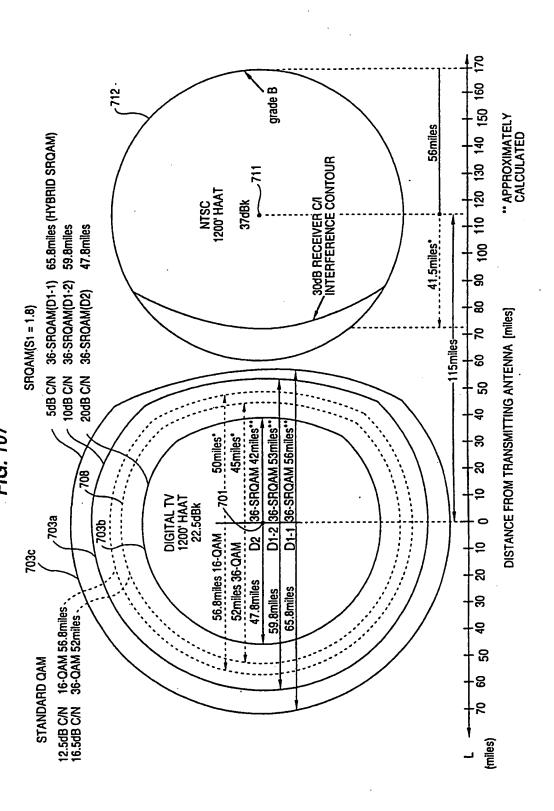


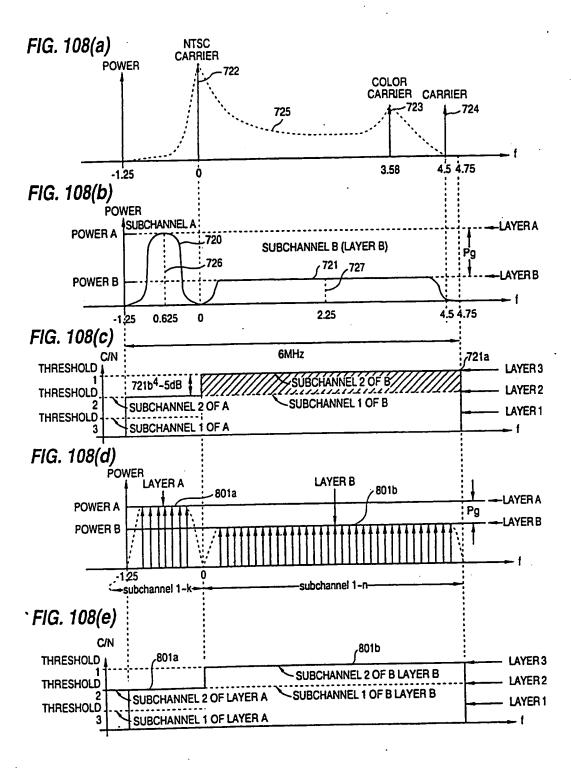


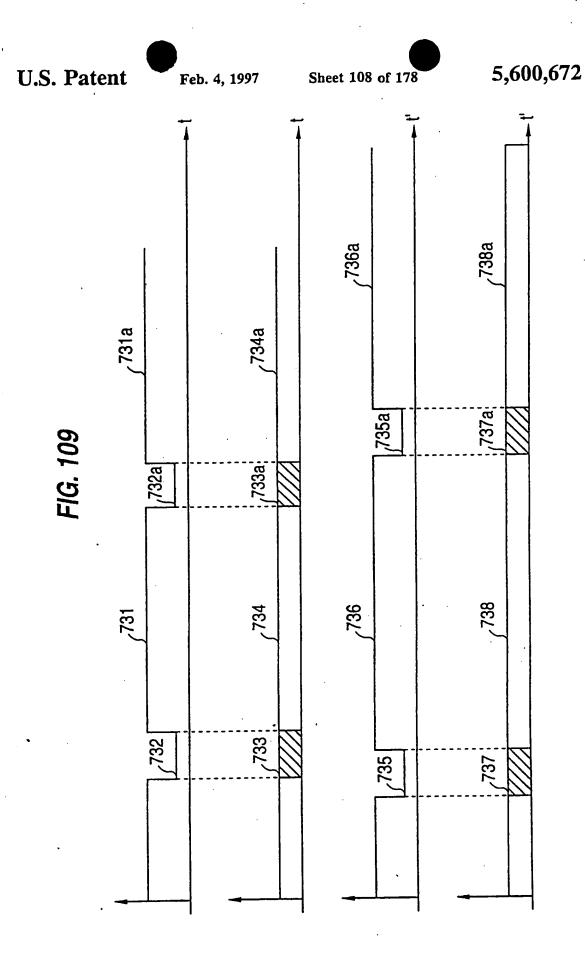




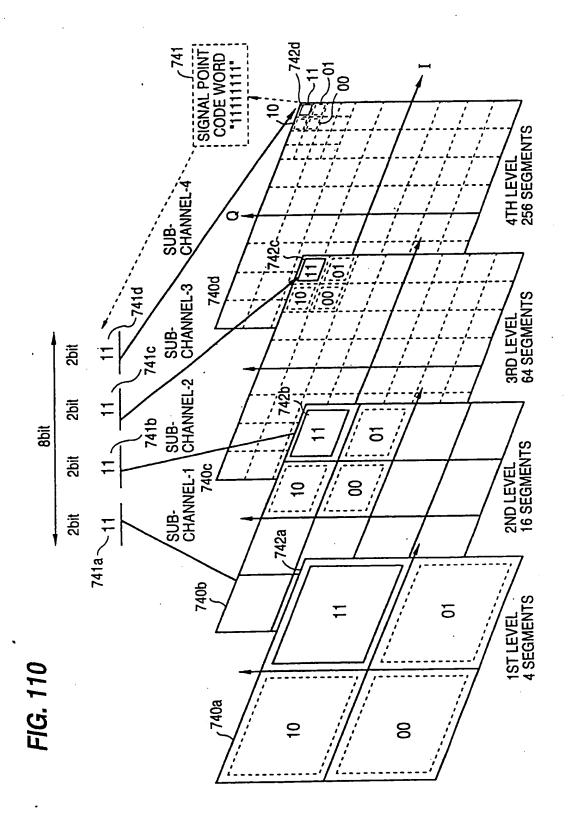












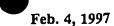
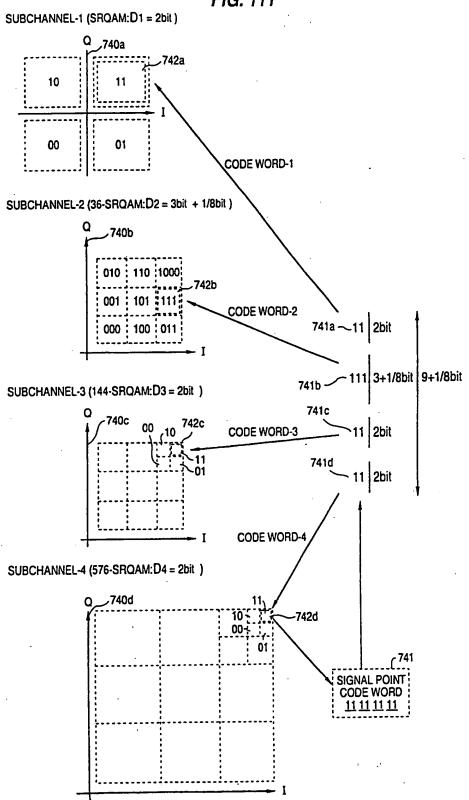


FIG. 111



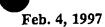
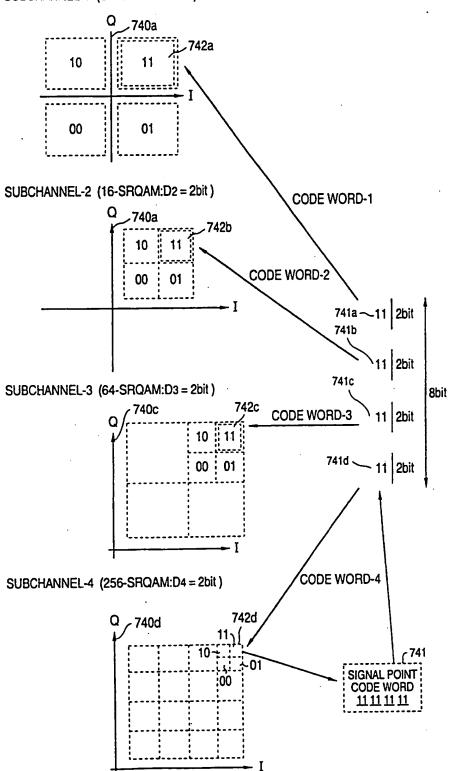
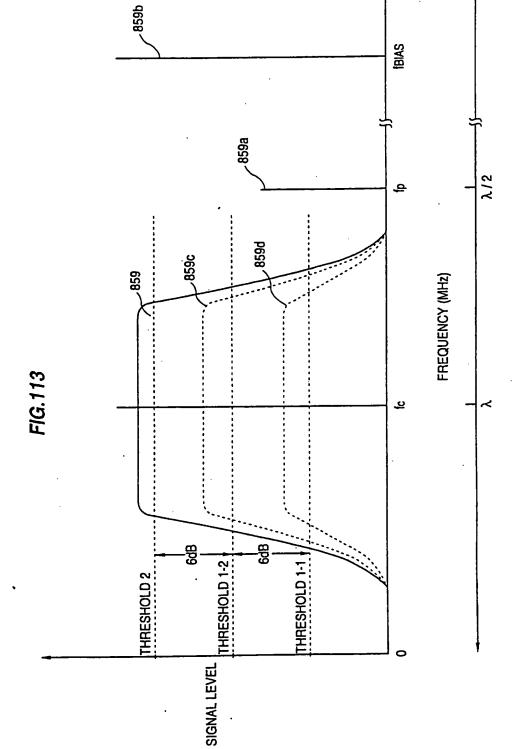


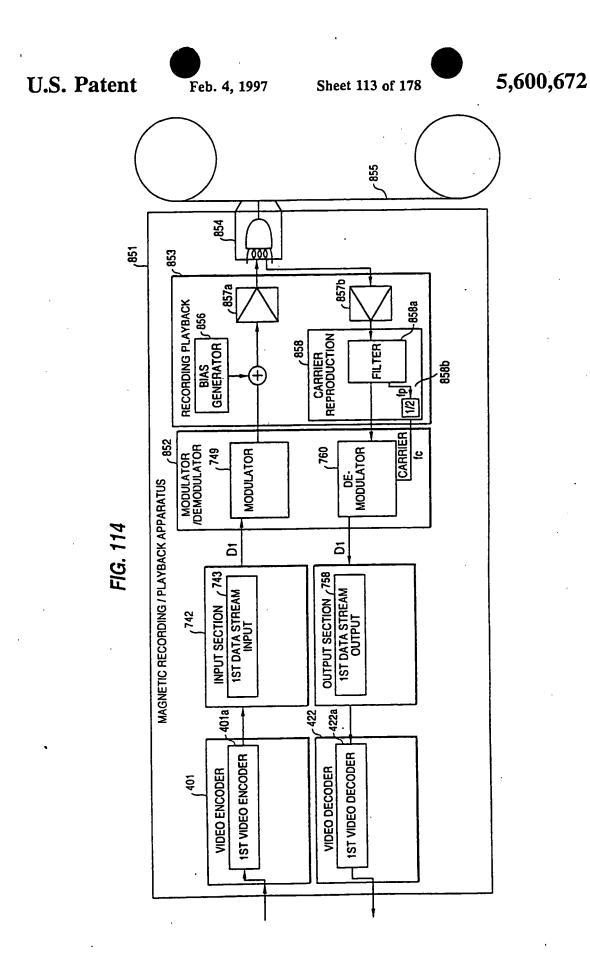
FIG. 112

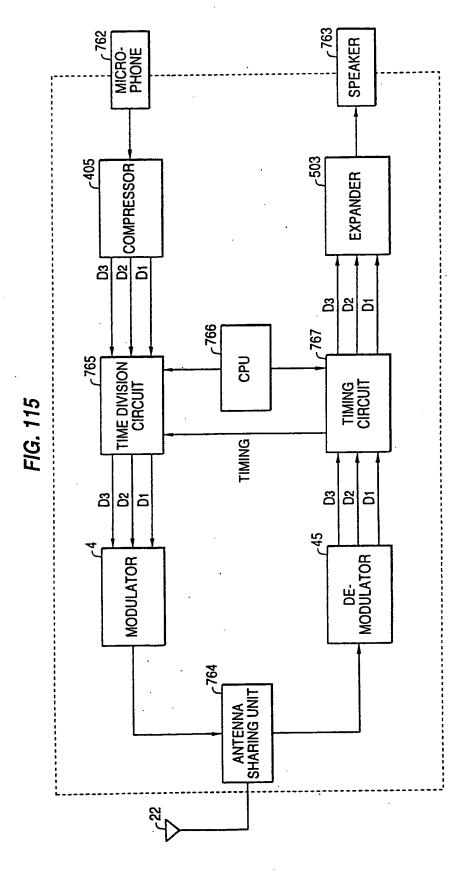
SUBCHANNEL-1 (SRQAM:D1 = 2bit)



RECORDING WAVELENGTH (µm)

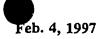






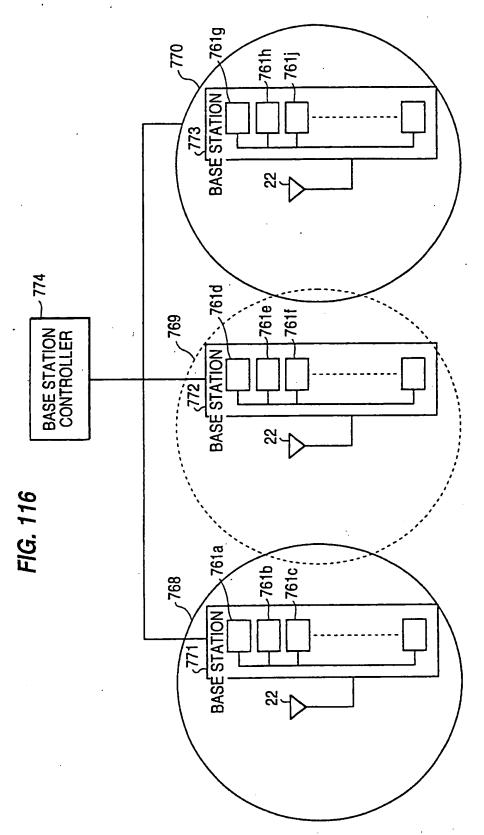
norther beat

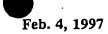
U.S. Patent

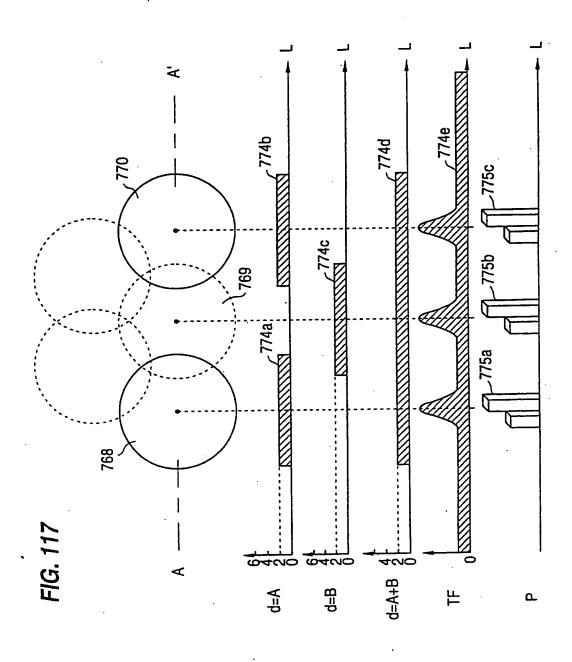


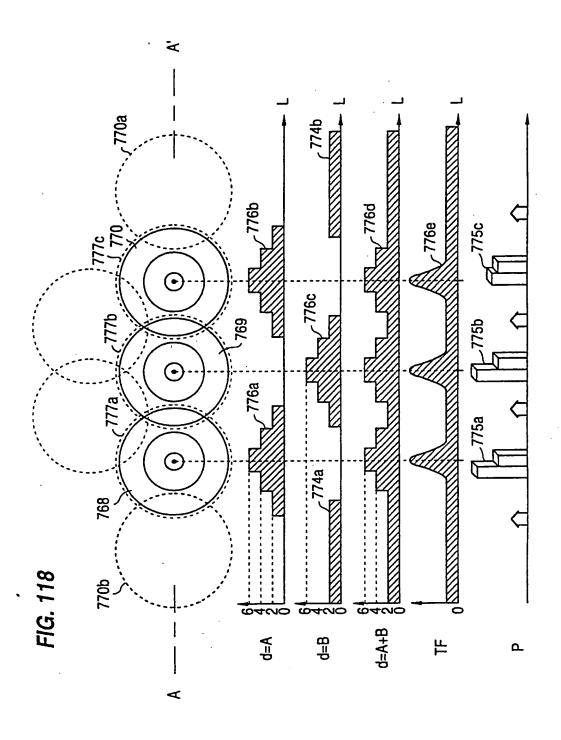
Sheet 115 of 178

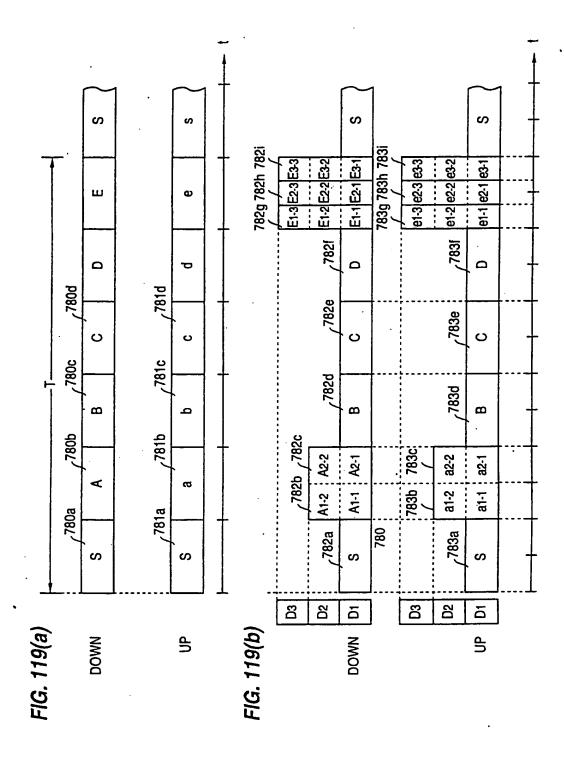


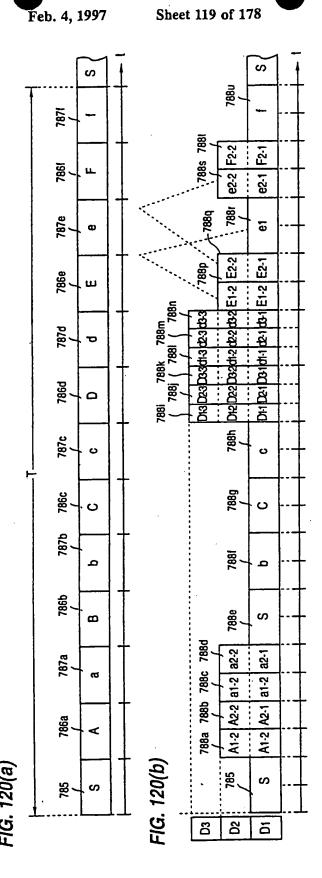




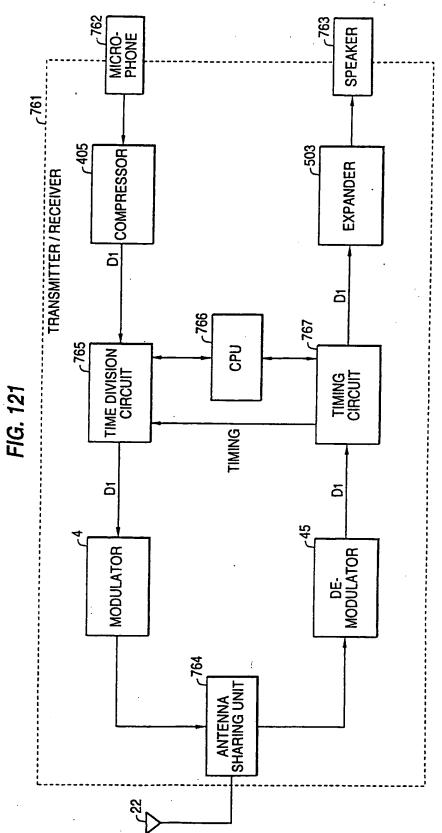


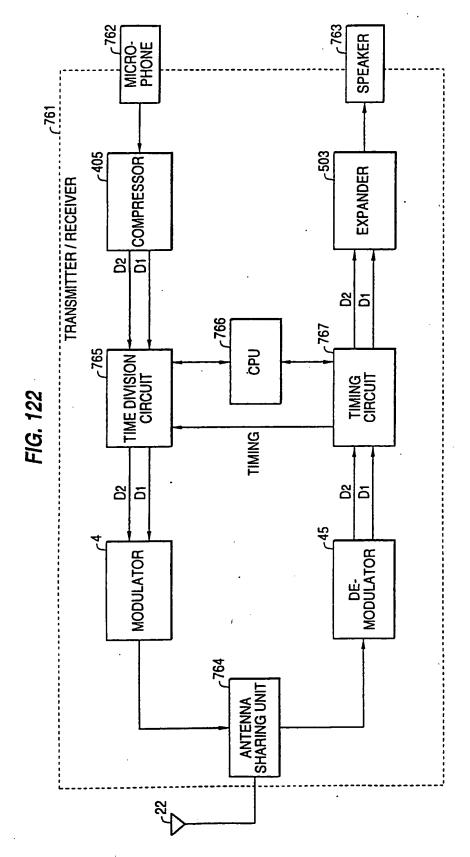


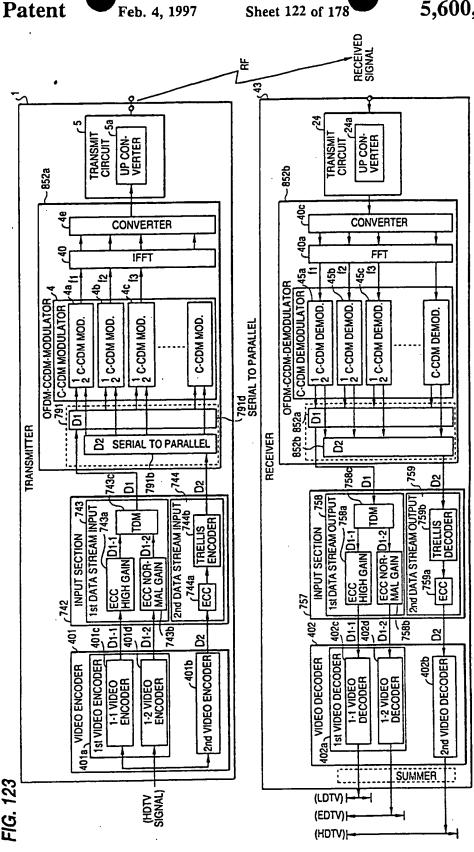




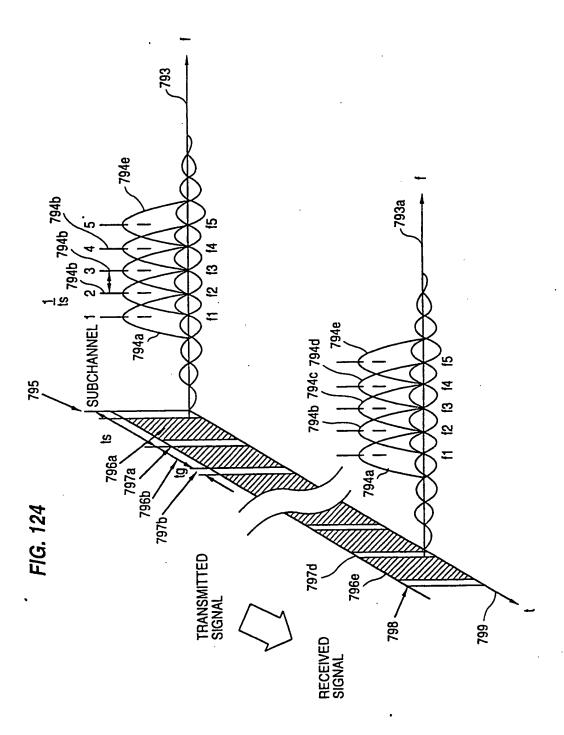




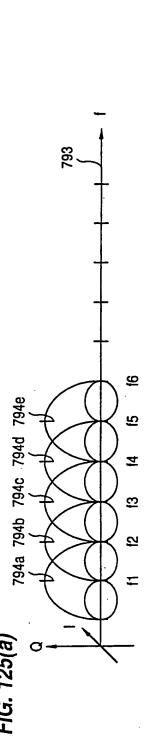


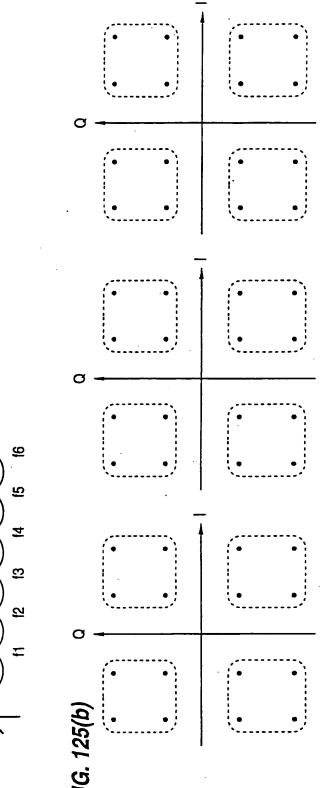


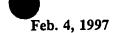


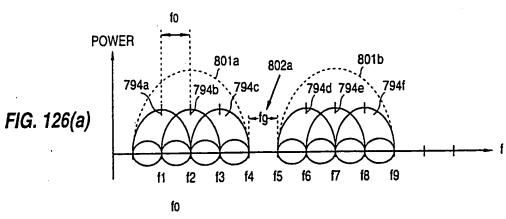


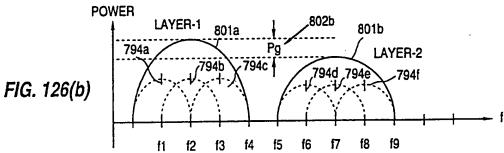
Leaf had no down last had

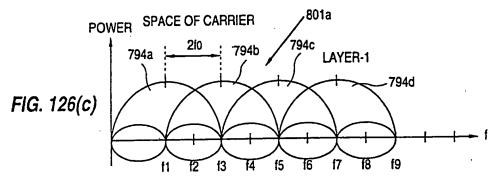


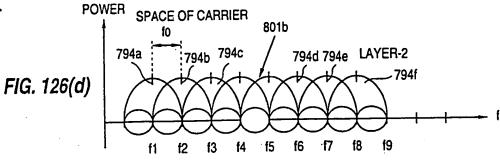












Feb. 4, 1997

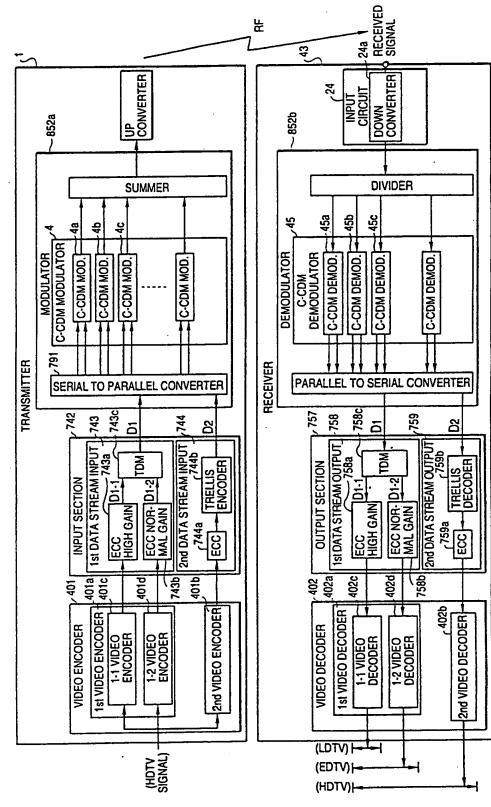


FIG. 127

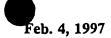


FIG. 128(a)

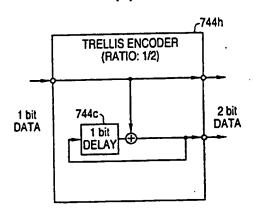


FIG. 128(d)

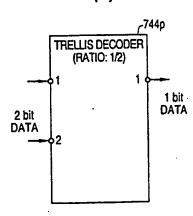


FIG. 128(b)

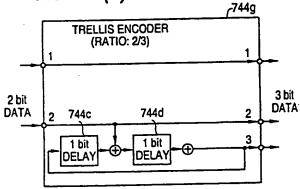


FIG. 128(e)

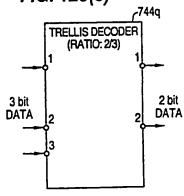


FIG. 128(c)

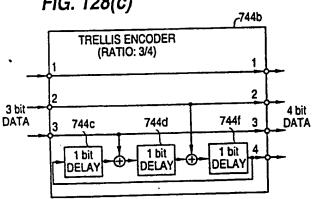
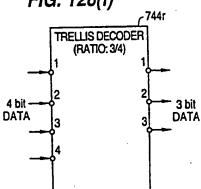
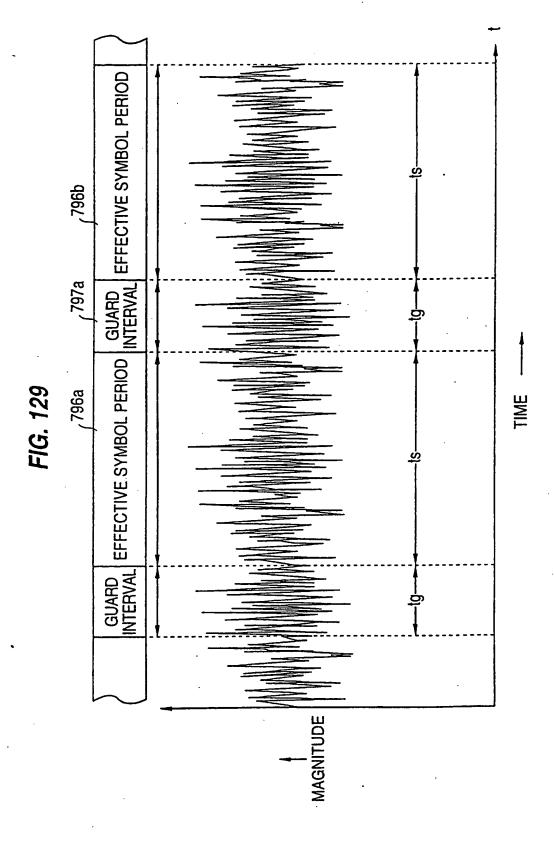


FIG. 128(f)

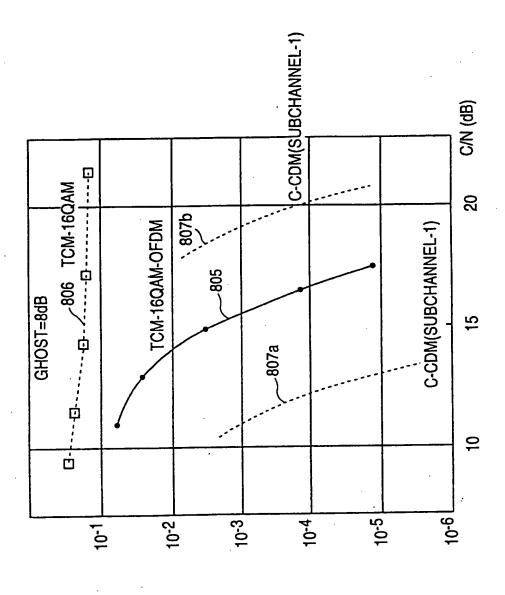




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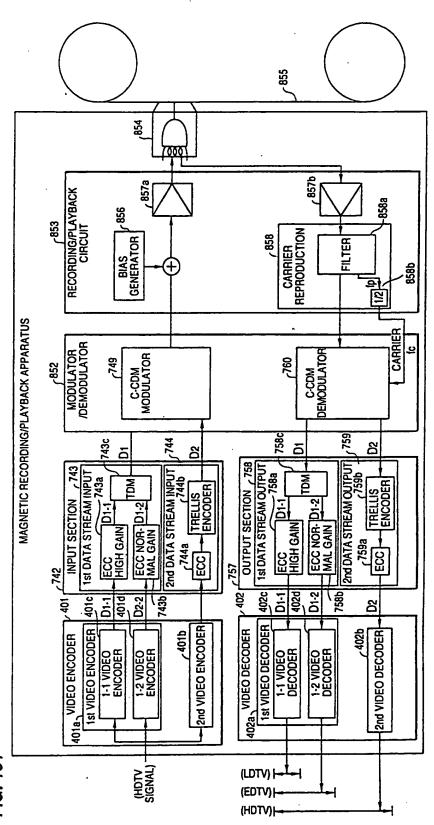
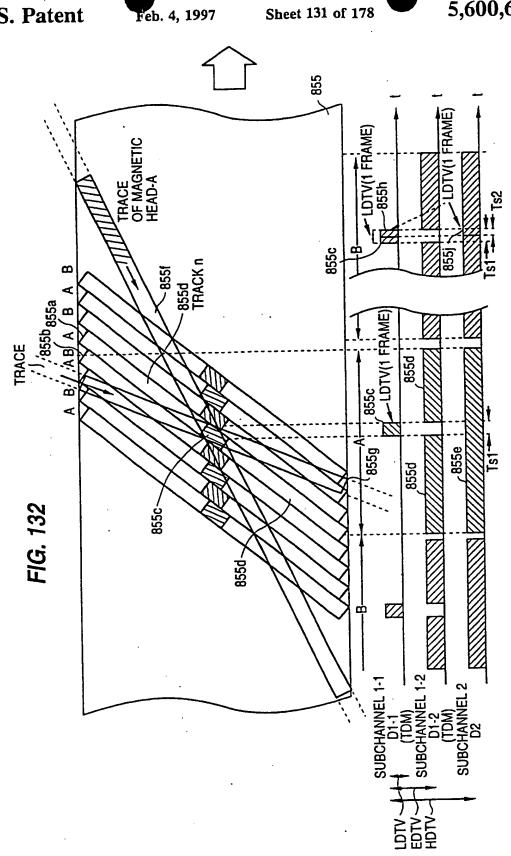


FIG. 13







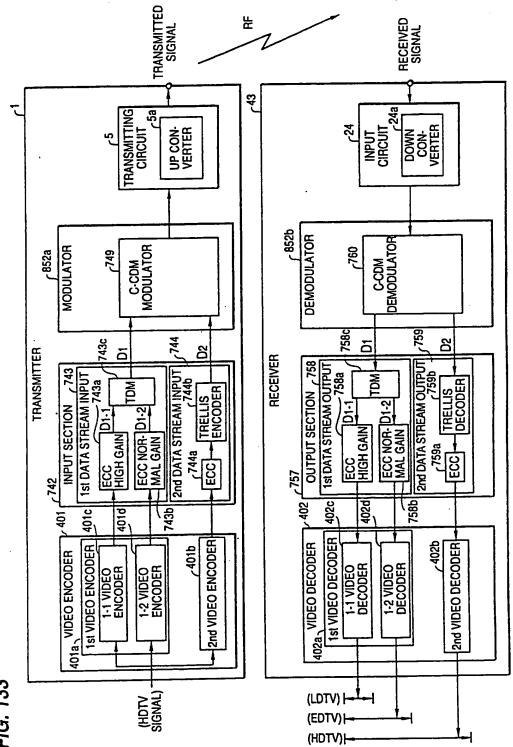
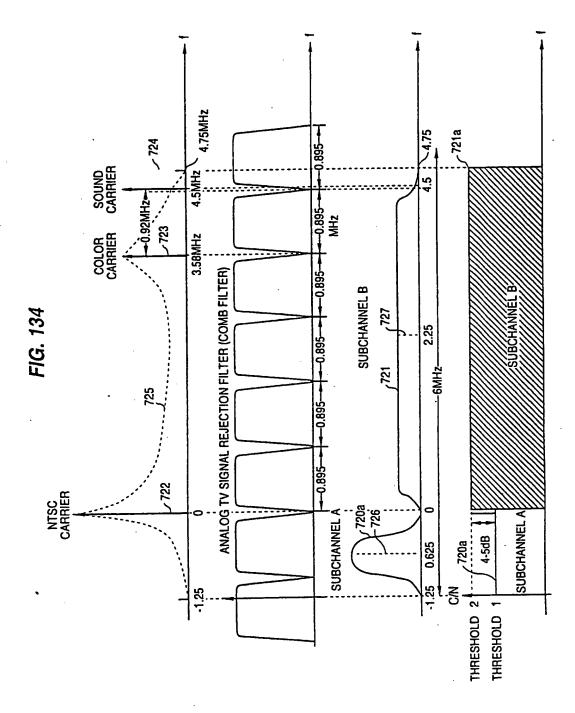


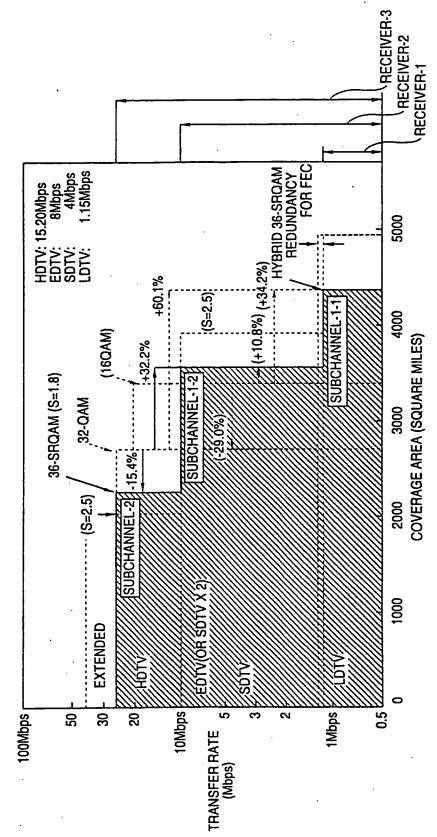
FIG. 133

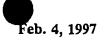


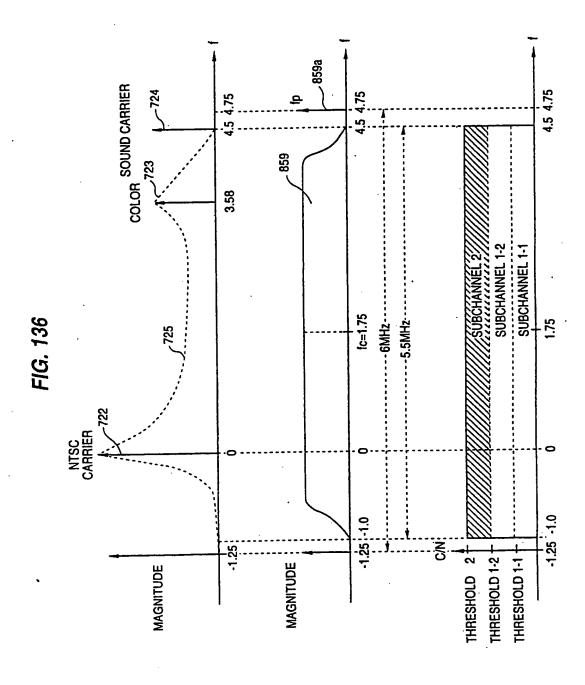














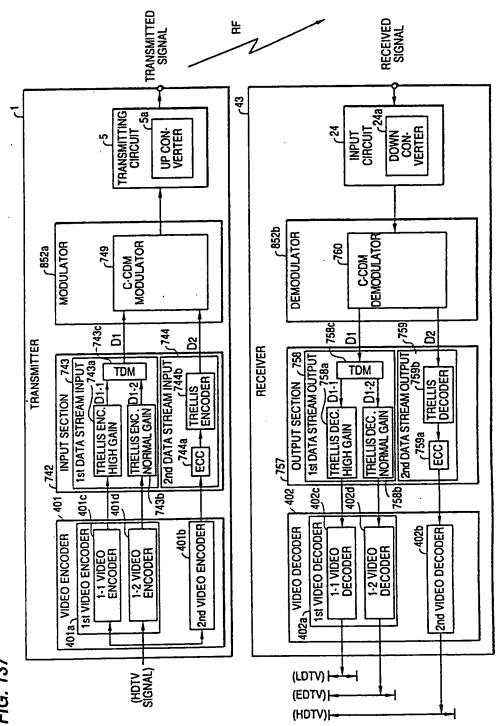
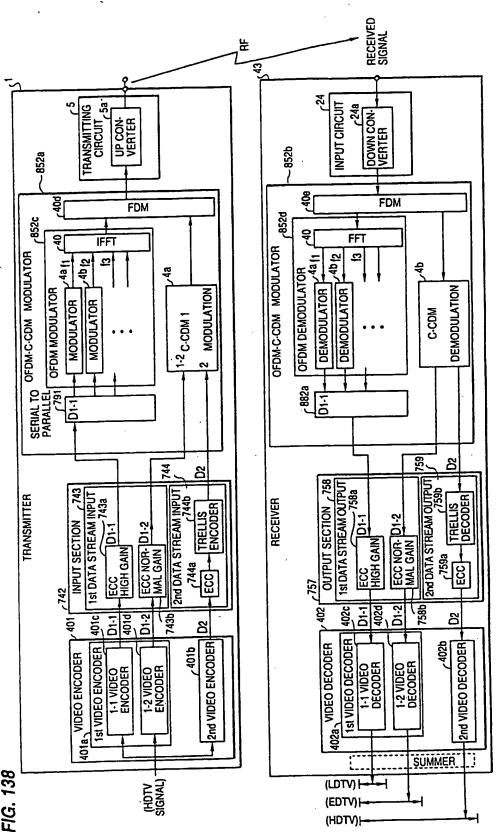


FIG. 13;

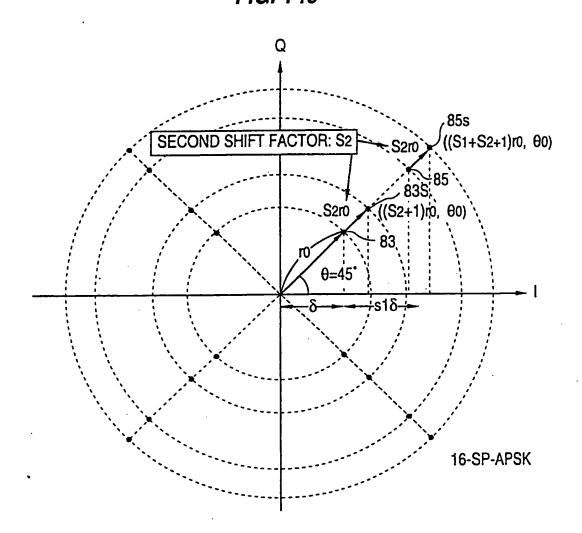
Feb. 4, 1997



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Feb. 4, 1997

FIG. 140



U.S. Patent

FIG. 141

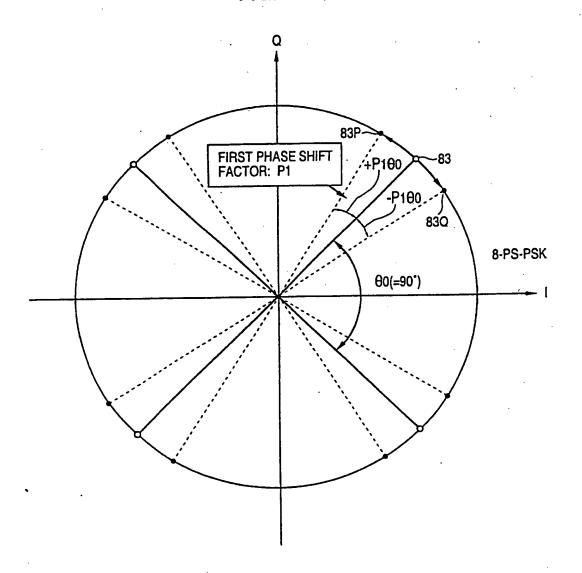
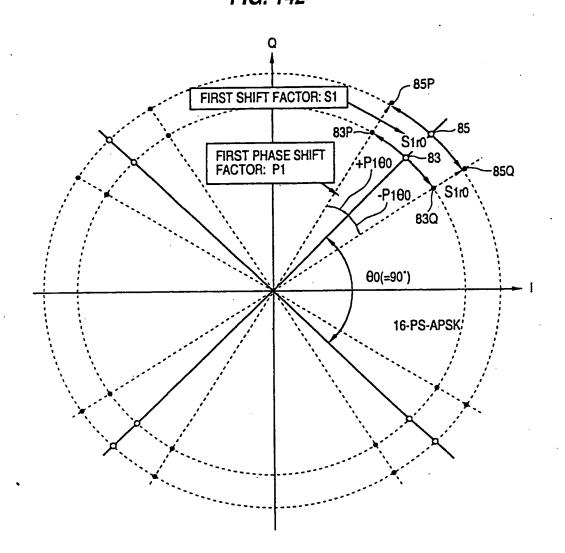
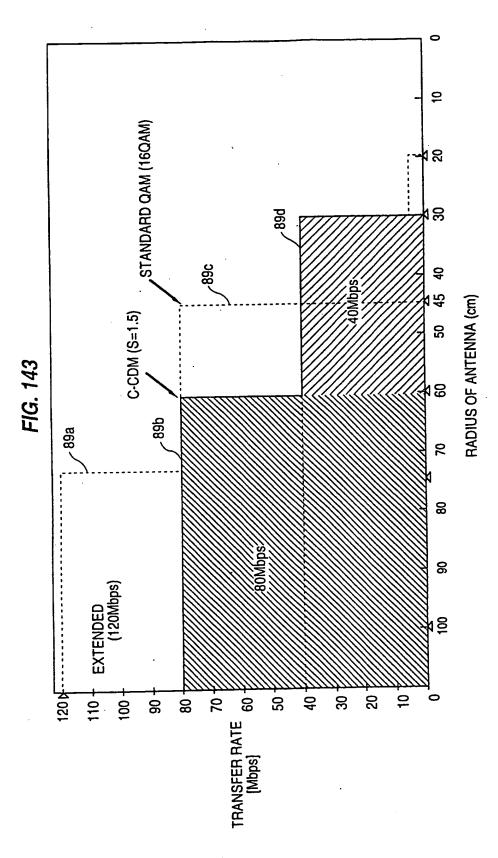


FIG. 142





Feb. 4, 1997

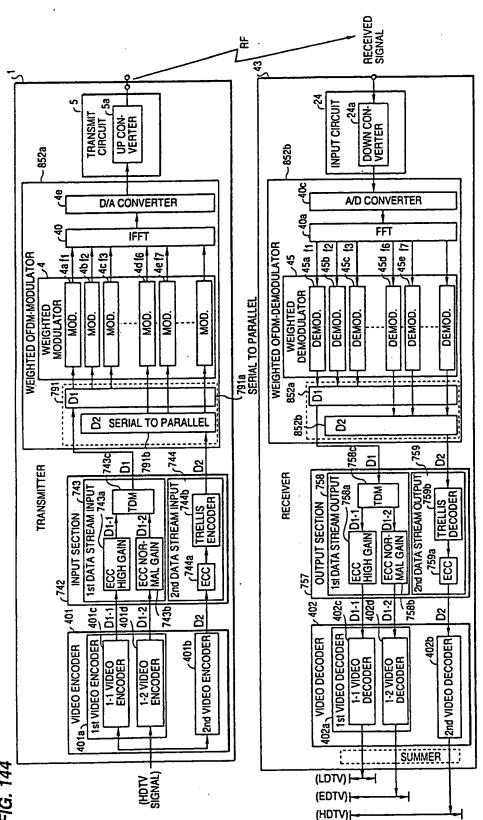




FIG. 145(a)

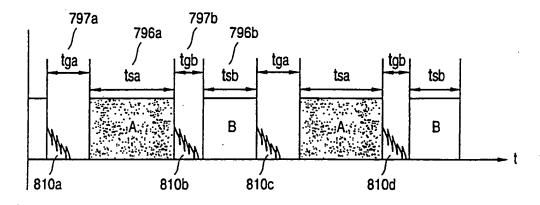
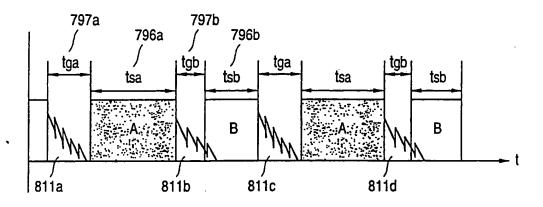
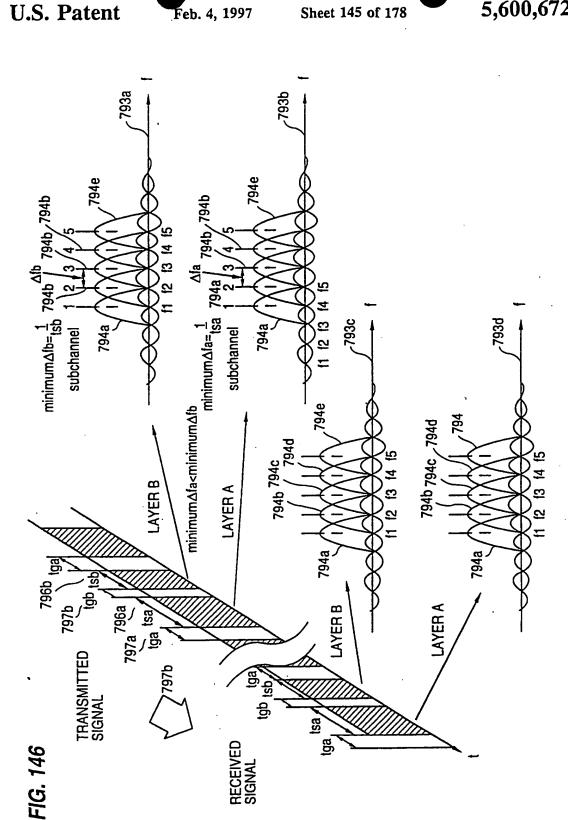
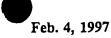
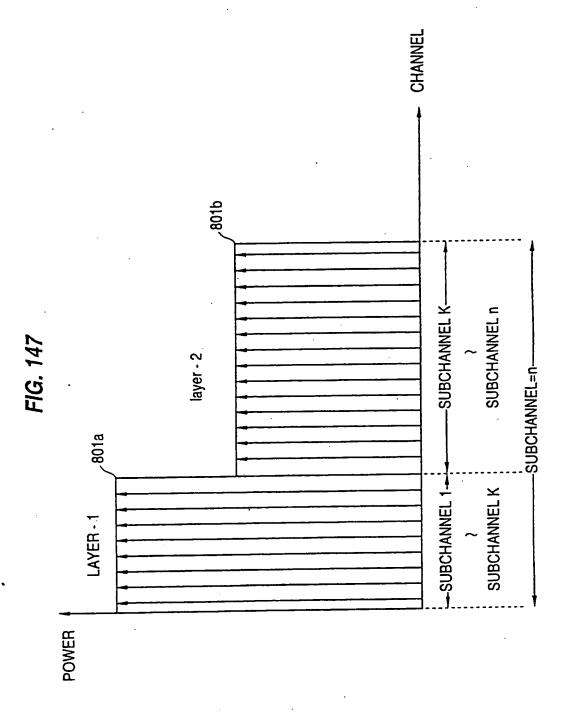


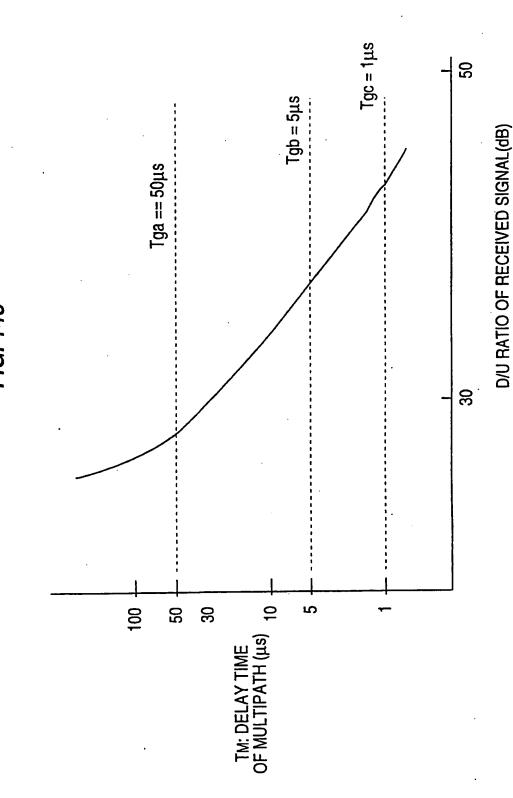
FIG. 145(b)

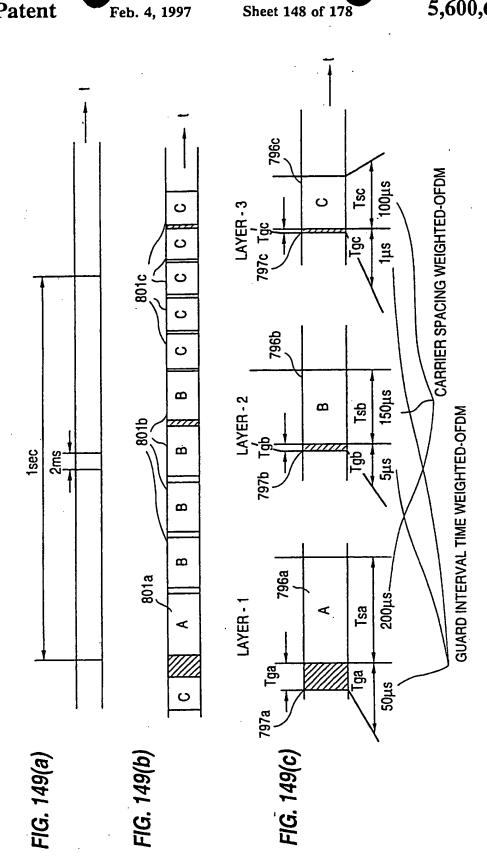


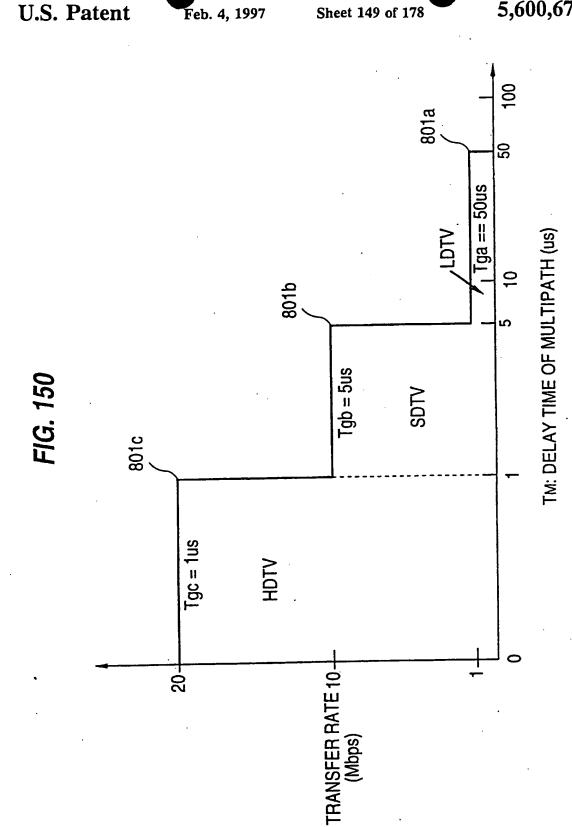




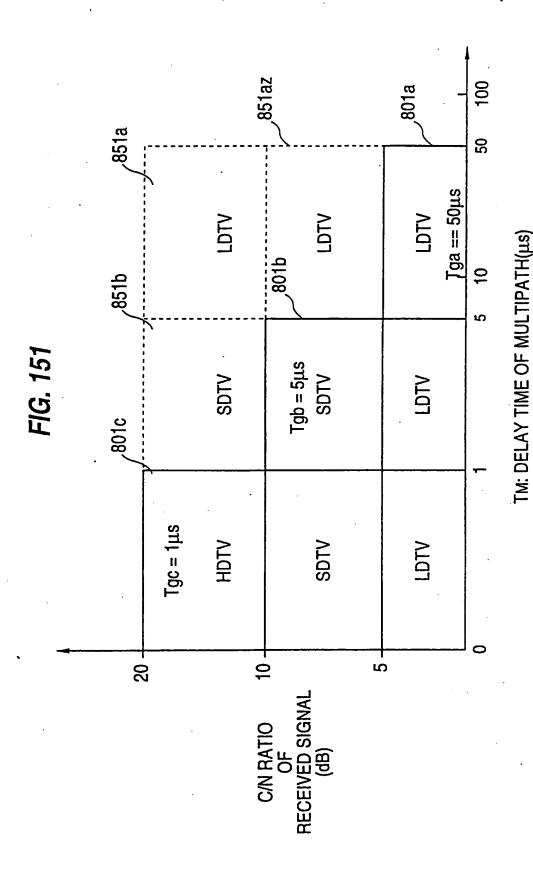


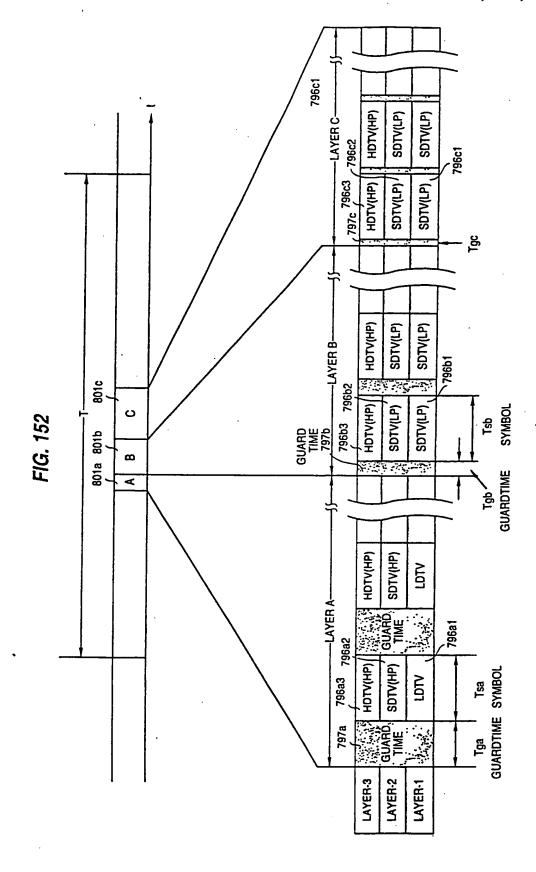




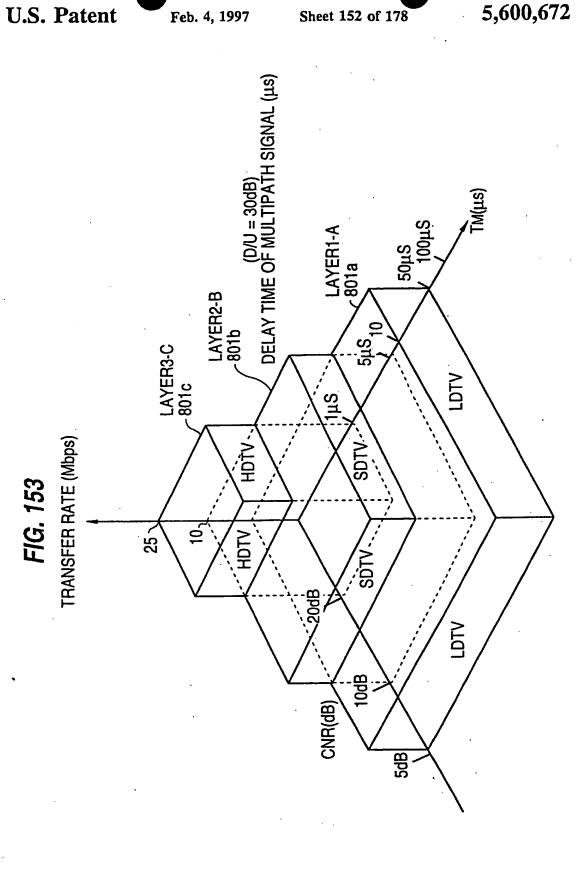




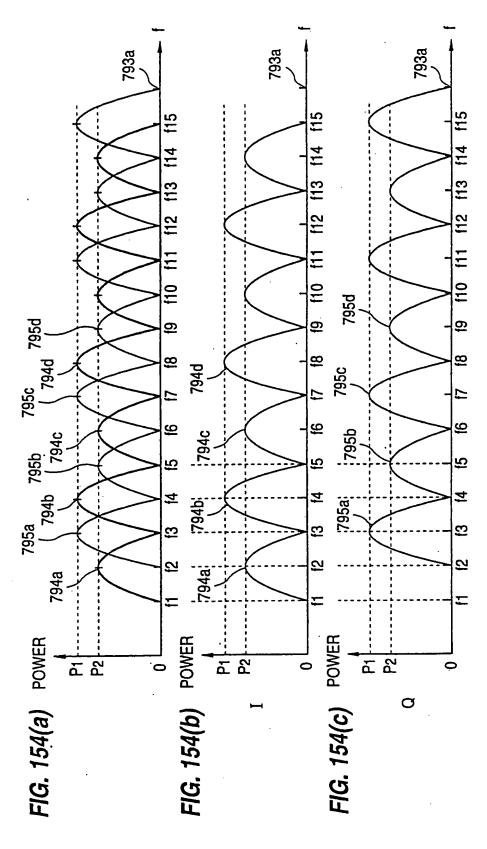




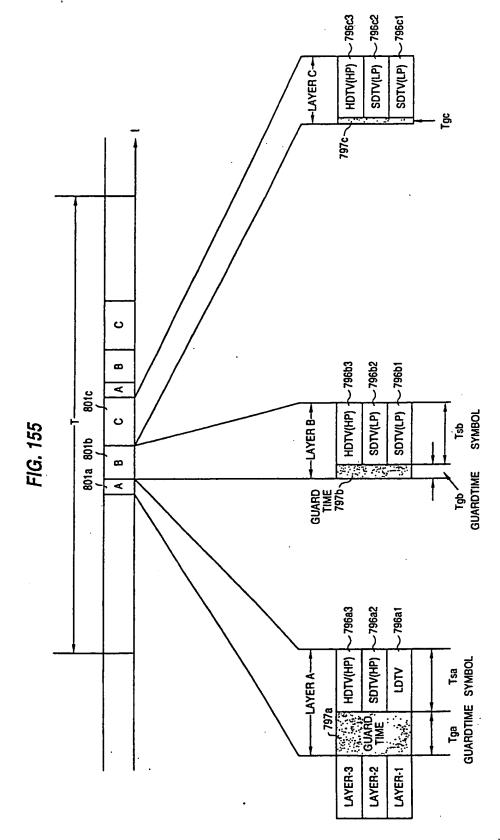








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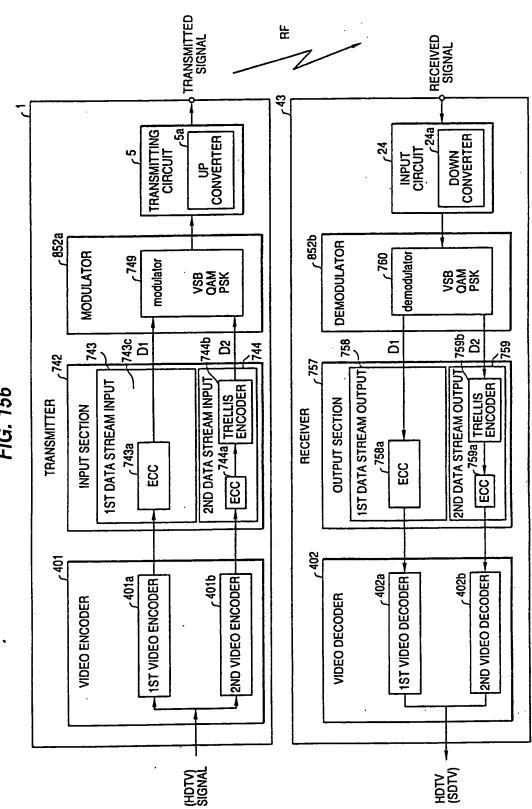
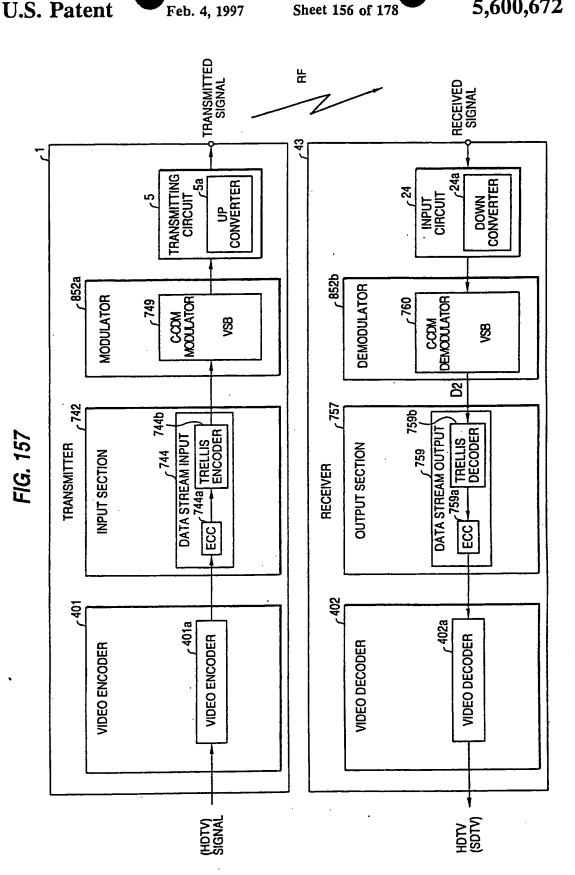
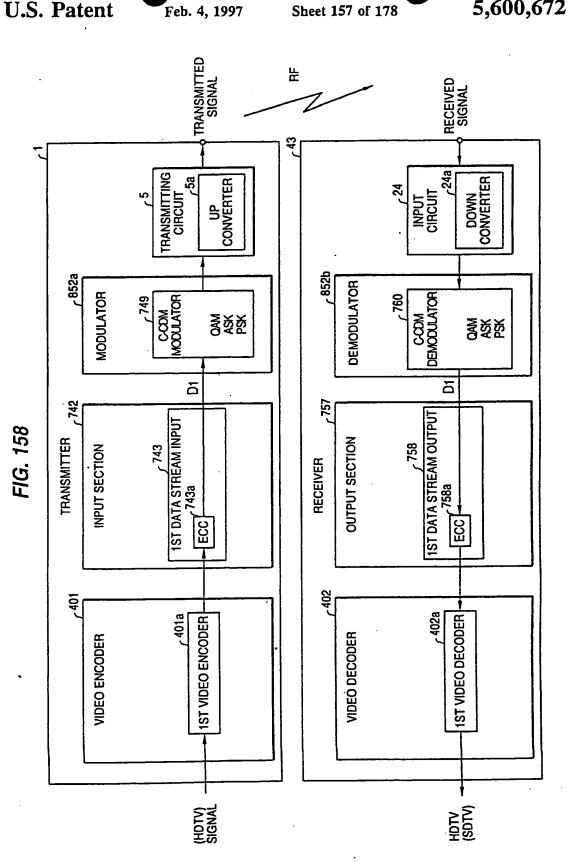
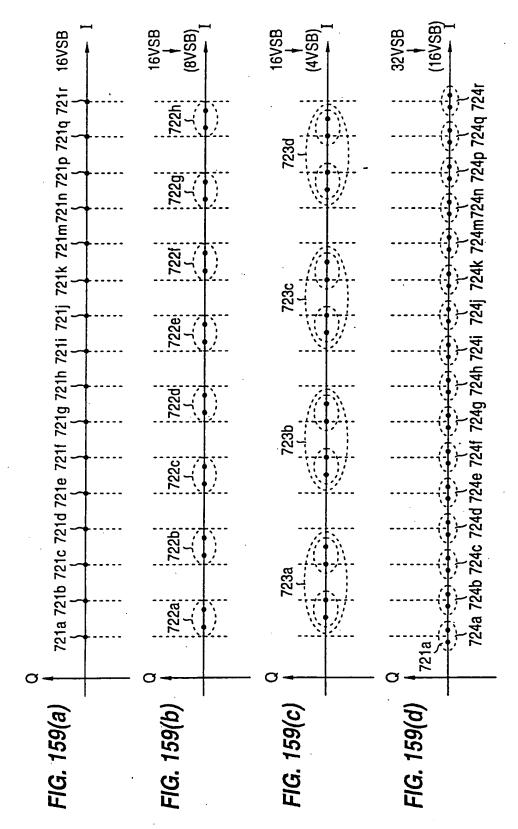


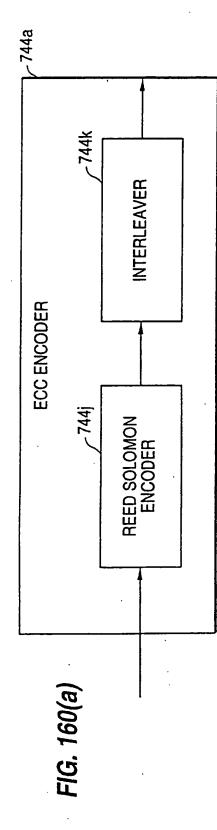
FIG. 156

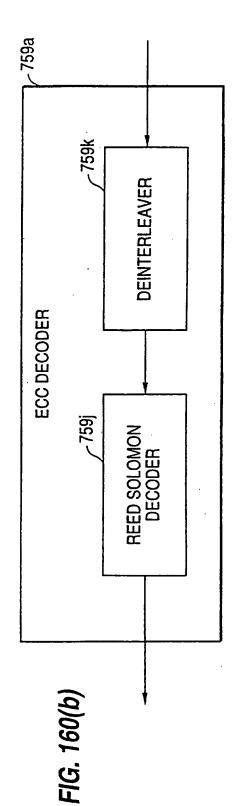


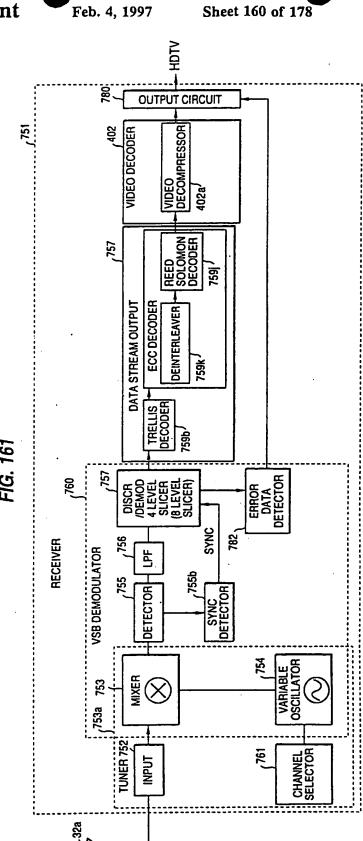
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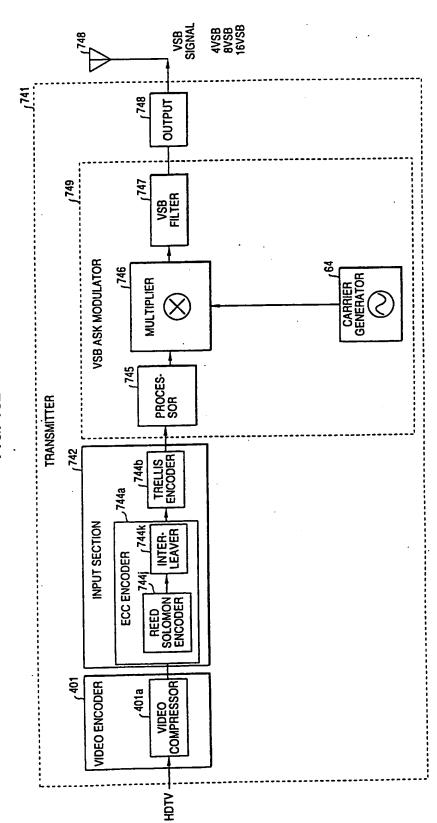
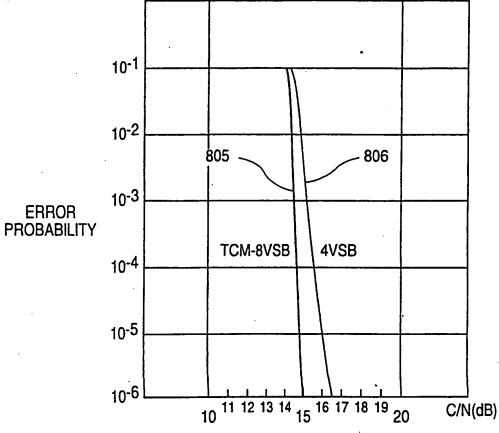
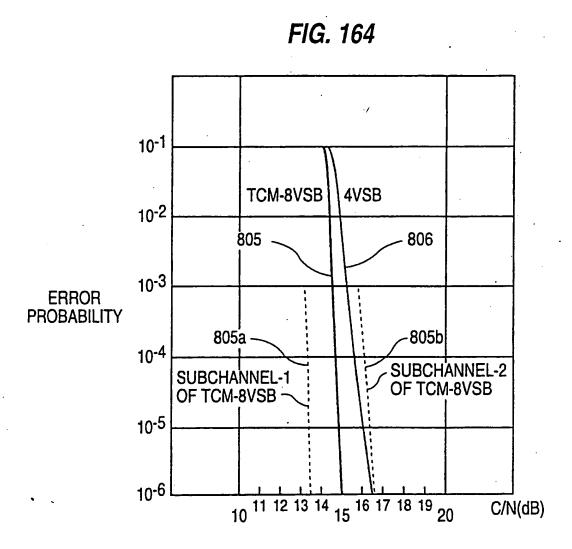


FIG. 162



FIG. 163





SYNDROME CALCULATION)

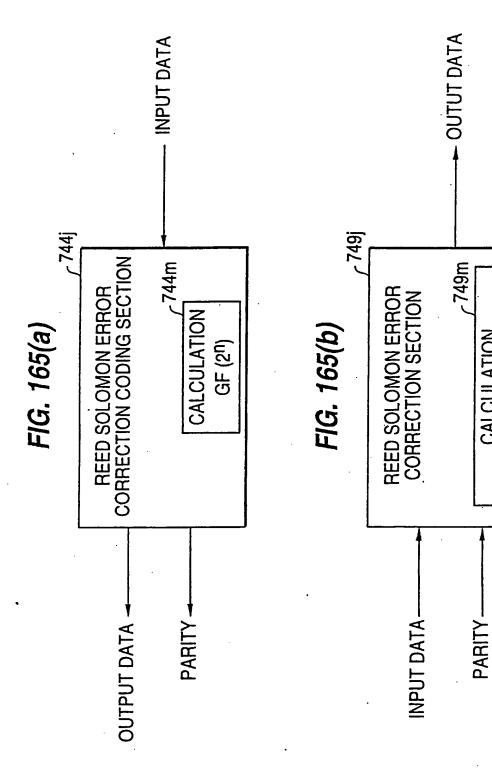
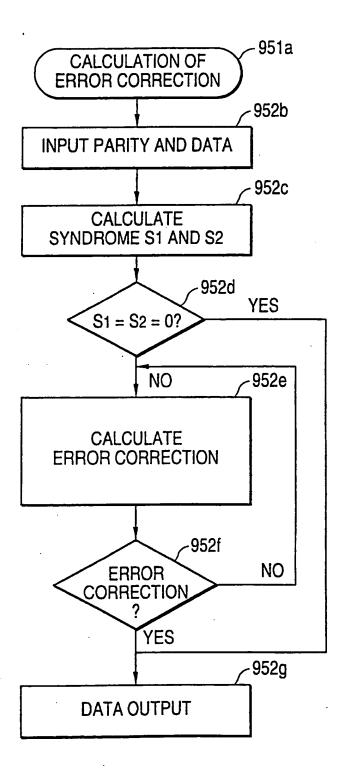
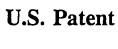
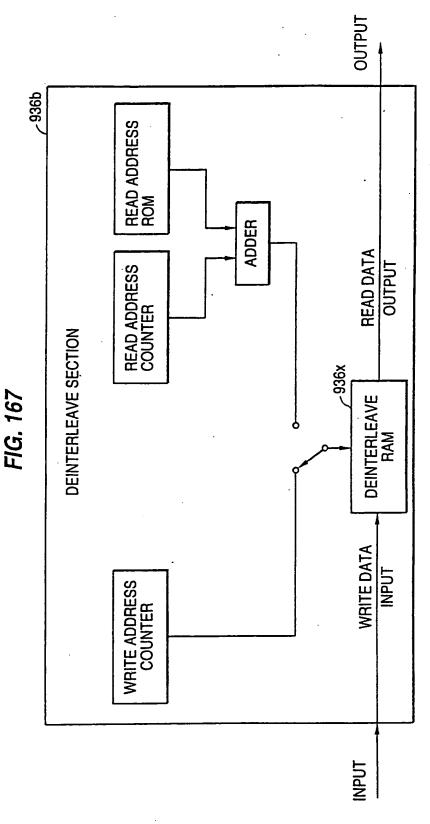
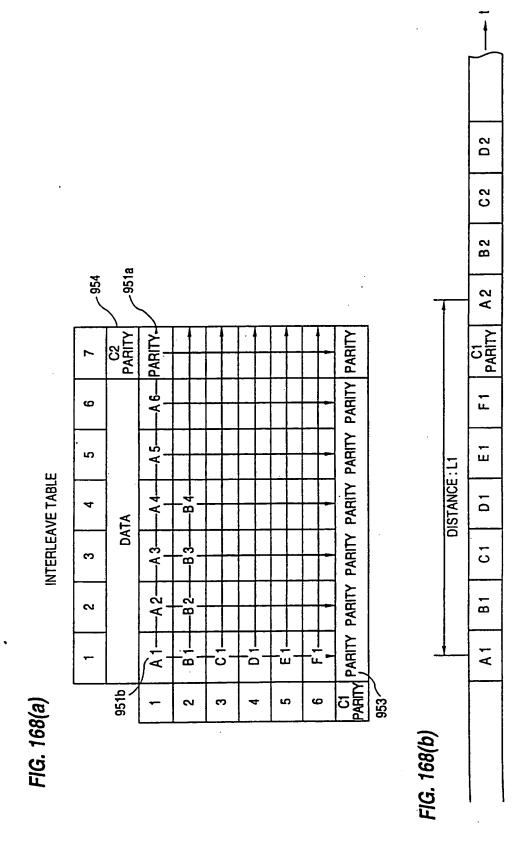


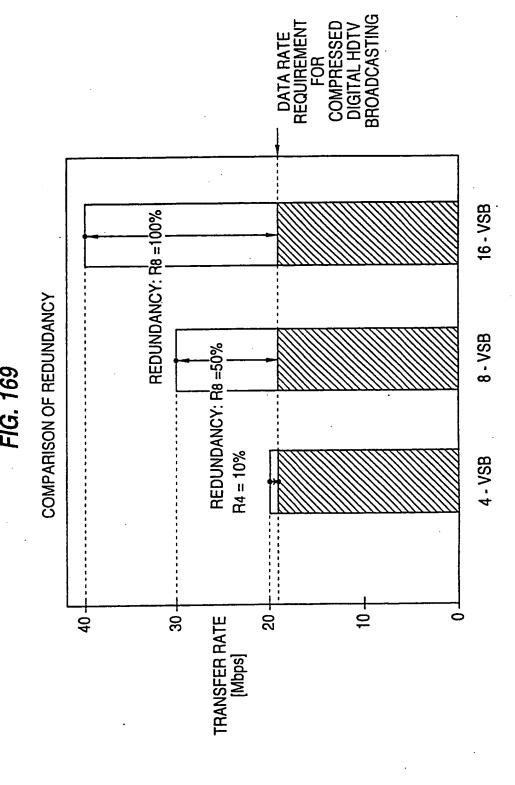
FIG. 166











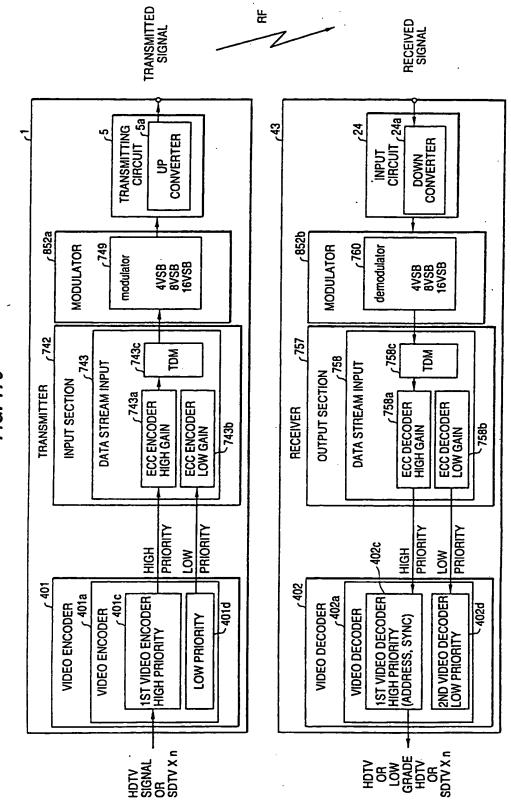
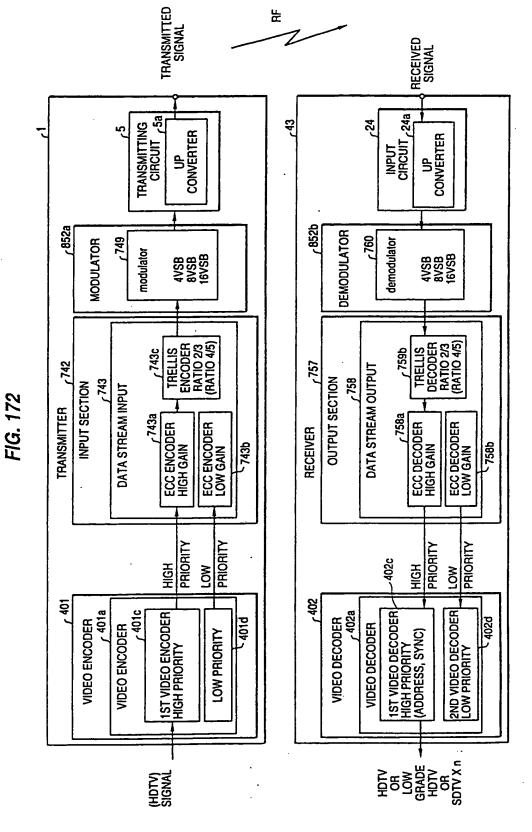


FIG. 170

R

TRANSMITTING SIGNAL RECEIVED SIGNAL INPUT CIRCUIT ,24a TRANSMITTING CIRCUIT 5a UP CONVERTER DOWN CONVERTER r 852a 852b DEMODULATOR 749 760 MODULATOR demodulator modulator 8VSB (32QAM) 8VSB (32QAM) **TRANSMITTER** RECEIVER INPUT SECTION 744 OUTPUT SECTION 759 DATA STREAM INPUT, 744b TRELLIS ENCODER RATIO 2/3 (RATIO 759b FIG. 171 TRELLIS DECODER RATIO 2/3 (RATIO 4/5) DATA STREAM OUTPUT ECC ENCODER 759a ECC DECODER f 401a 405 **VIDEO ENCODER** VIDEO ENCODER VIDEO DECODER VIDEO DECODER

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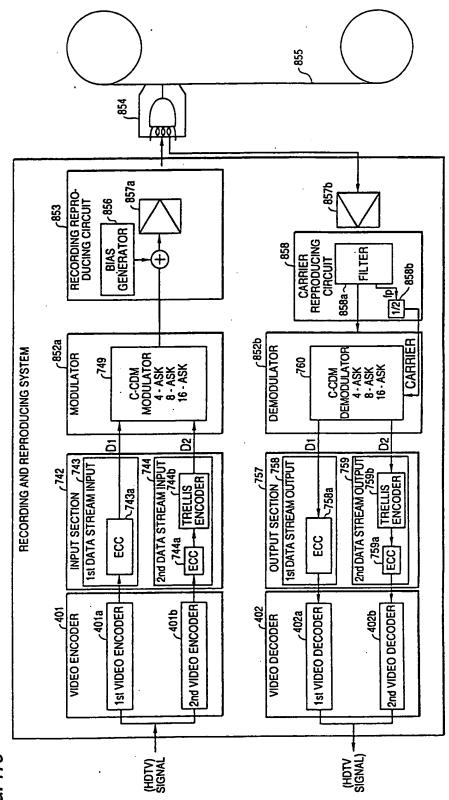
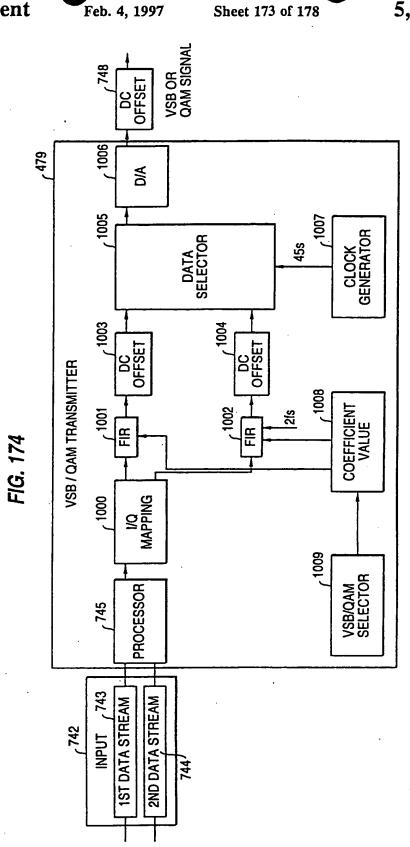
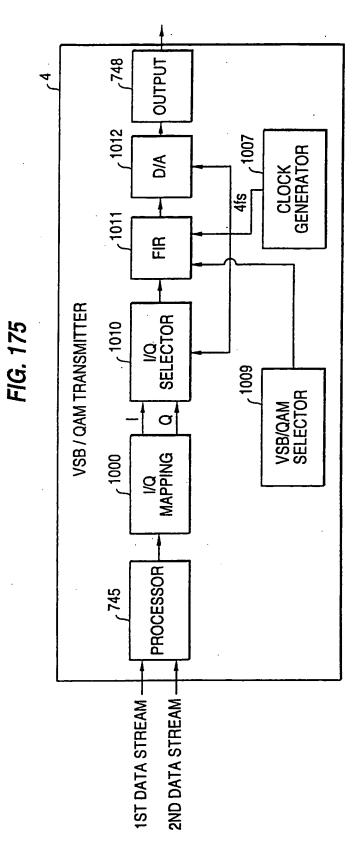
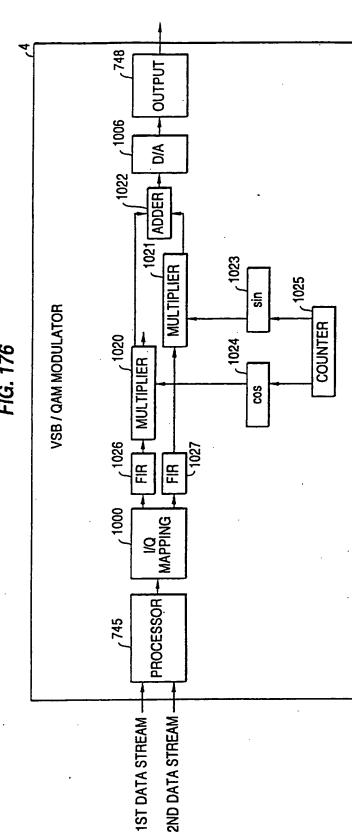


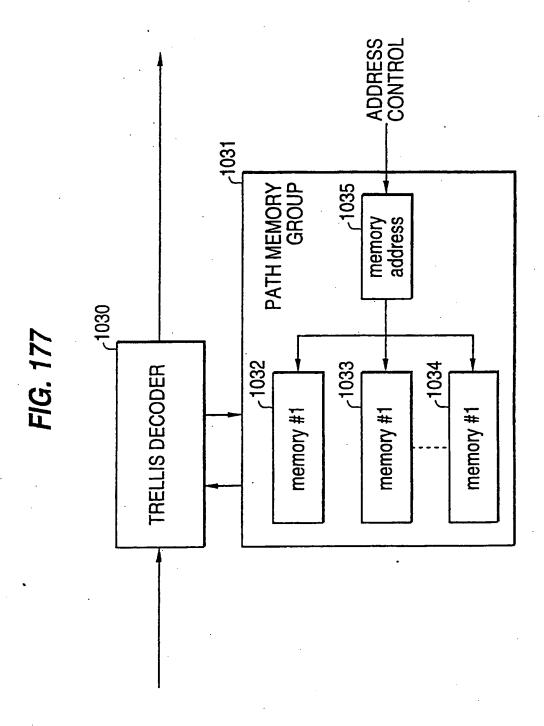
FIG. 173



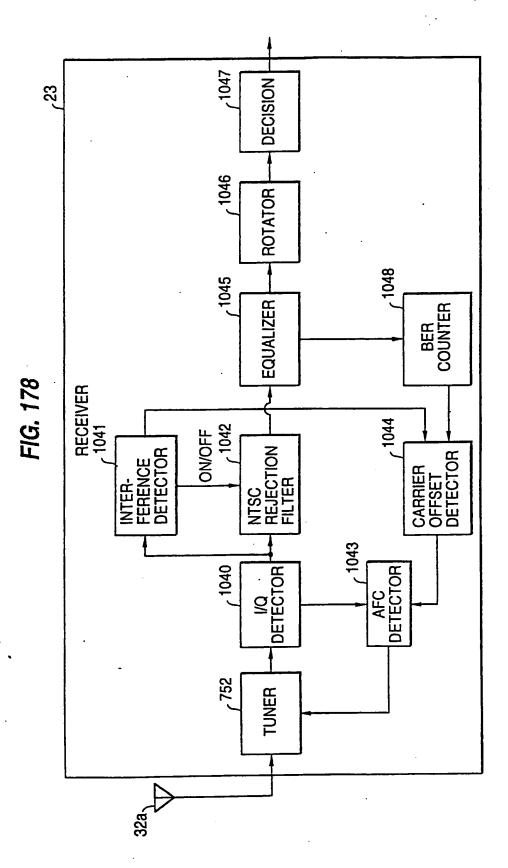
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DECISION 1062 AFC DET C/N DETECTOR RS DECODER EQUALIZER CLOCK REPRODUCER AGC ROLL OFF FILTER **VSB/QAM RECEIVER** GATE SIGNAL AFC CLOCK 10 ii <u>₹</u> 1053 CONVERTER VSB BW / 6MHz SAW

FIG. 178